NACOmatic

Effective: 21-Oct-2010
Expires: 18-Nov-2010

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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ABERDEEN, SD
ABERDEEN RGNL ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 35
VOR Rwy 31
VOR/DME Rwy 13
NA when local weather not available.

ALBERT LEA, MN
ALBERT LEA MUNI ..... **RNAV (GPS) Rwy 16**
NA when local weather not available.

ALEXANDRIA, MN
CHANDLER FIELD ..... **RNAV (GPS) Rwy 22**
RNAV (GPS) Rwy 31
NA when local weather not available.

AUSTIN, MN
AUSTIN MUNI ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
VOR/DME-A
NA when local weather not available.

BAUDETTE, MN
BAUDETTE INTL ..... **RNAV (GPS) Rwy 12[1]**
RNAV (GPS) Rwy 30[1]
VOR/DME Rwy 12
VOR Rwy 30
Category C, 800-2¼; Category D, 800-2½.
[1]NA when local weather not available.

BEMIDJI, MN
BEMIDJI RGNL ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 31
NA when local weather not available.

BENSON, MN
BENSON MUNI ..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

NAME ALTERNATE MINIMUMS

BISMARCK, ND
BISMARCK MUNI ..... **ILS or LOC Rwy 13[1]**
ILS or LOC Rwy 31[2]
RADAR-1
NA when control tower closed.
[1]ILS, Categories A, B, C, D, E, 700-2. LOC, NA.
[2]ILS, Category D, 700-2. LOC, NA.

BRAINERD, MN
BRAINERD LAKES RGNL . **ILS or LOC Rwy 23**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 34
NA when local weather not available.

BROOKINGS, SD
BROOKINGS RGNL ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

CANBY, MN
MYERS FIELD ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

CLOQUET, MN
CLOQUET CARLTON
COUNTY ..... **RNAV (GPS) Rwy 35**
NA when local weather not available.

COOK, MN
COOK MUNI ..... **RNAV (GPS) Rwy 31**
NA when local weather not available.

CROOKSTON, MN
CROOKSTON MUNI-
KIRKWOOD FIELD ..... **RNAV (GPS) Rwy 13[1]**
RNAV (GPS) Rwy 31[1]
VOR Rwy 31[2]
[1]NA when local weather not available.
[2]Category A, B, 900-2; Category C, 900-2¼.

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NAME ALTERNATE MINIMUMS

DETROIT LAKES, MN

DETROIT LAKES-
WETHING FIELD ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available.
Category D, 800-2¼.

DEVILS LAKE, ND

DEVILS LAKE RGNL ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 31
VOR Rwy 3[1]
VOR Rwy 21[2]
NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[2]Category C, 800-2¼, Category D, 800-2½.

DICKINSON, ND

DICKINSON-THEODORE
ROOSEVELT RGNL ..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
VOR-A
NA when local weather not available.

DODGE CENTER, MN

DODGE CENTER ..... **RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
VOR-A
NA when local weather not available.

DULUTH, MN

DULUTH INTL ..... **COPTER ILS Rwy 9[1]**
ILS or LOC Rwy 9[2]
ILS or LOC Rwy 27[3]
VOR or TACAN Rwy 3[4]
[1]LOC, NA.
[2]ILS, Category E, 900-2½; LOC, Category E, 800-2½.
[3]ILS, Category E, 700-2¼; LOC, Category E, 800-2¼.
[4]Category E, 800-2¼.

EVELETH, MN

EVELETH-VIRGINIA
MUNI ..... **VOR/DME or GPS-A**
Category C, 800-2¼; Category D,800-2½.

FAIRBAULT, MN

FAIRBAULT MUNI ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
VOR-A
NA when local weather not available.

NAME ALTERNATE MINIMUMS

FAIRMONT, MN

FAIRMONT MUNI ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR Rwy 13
VOR Rwy 31
NA when local weather not available.

FARGO, ND

HECTOR INTL ..... **ILS or LOC Rwy 18[1]**
ILS or LOC Rwy 36[1]
RNAV (GPS) Rwy 18[2]
RNAV (GPS) Rwy 36[2]
VOR/DME or TACAN Rwy 18[2]
VOR or TACAN Rwy 36[3]
[1]ILS, Category E, 700-2¼. LOC, Category E, 800-2¼.
[2]Category E, 800-2¼.
[3]Category D, 800-2¼, Category E, 800-2½.

FERGUS FALLS, MN

FERGUS FALLS MUNI-EINAR
MICKELSON FIELD ..... **ILS or LOC Rwy 31[1]**
NDB Rwy 31[2]
RNAV (GPS) Rwy 31[2]
RNAV (GPS) Rwy 35
NA when local weather not available.
[1]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

GLENCOE, MN

GLENCOE MUNI ..... **RNAV (GPS) Rwy 31**
NA when local weather not available.

GRAND FORKS, ND

GRAND FORKS INTL ... **ILS or LOC Rwy 35L[12]**
LOC BC Rwy 17R[13]
RNAV (GPS) Rwy 9L[3]
RNAV (GPS) Rwy 17R[3]
RNAV (GPS) Rwy 27R[3]
RNAV (GPS) Rwy 35L[3]
VOR Rwy 17R[3]
VOR Rwy 35L[3]
[1]NA when control tower closed.
[2]ILS, Category E, 700-2½. LOC, Category E, 800-2½.
[3]NA when local weather not available.

GRAND MARAIS, MN

GRAND MARAIS/
COOK COUNTY ..... **RNAV (GPS) Rwy 27**
NA when local weather not available.

GRAND RAPIDS, MN

GRAND RAPIDS/ITASCA COUNTY-GORDON
NEWSTROM FIELD ..... **RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
VOR Rwy 34
NA when local weather not available.

NAME ALTERNATE MINIMUMS

GRANITE FALLS, MN

GRANITE FALLS MUNI/LENZEN-ROE MEMORIAL FIELD ..... **RNAV (GPS) Rwy 33**
NA when local weather not available.

HETTINGER, ND

HETTINGER MUNI ..... **RNAV (GPS) Rwy 30**
NA when local weather not available.
Category D, 800-2¼.

HIBBING, MN

RANGE RGNL ..... **ILS OR LOC/DME Rwy 13[1]**
VOR Rwy 13[2]
[1]ILS,Categories A, B, C, D, 800-2.
[2]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾; ILS, 700-2.

HURON, SD

HURON RGNL ..... **ILS or LOC Rwy 12[12]**
LOC/DME BC Rwy 30[23]
RNAV (GPS) Rwy 12[23]
RNAV (GPS) Rwy 30[23]
VOR Rwy 12[23]
[1]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

INTERNATIONAL FALLS, MN

FALLS INTL ..... **COPTER ILS or LOC Rwy 31[1]**
ILS or LOC/DME Rwy 13,700-2[2]
ILS or LOC Rwy 31[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 31[2]
VOR Rwy 13[23]
VOR/DME Rwy 31[2]
[1]LOC, NA; ILS, NA when local weather not available.
[2]NA when local weather not available.
[3]Category D, 800-2¼.

JACKSON, MN

JACKSON MUNI ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NDB Rwy 13
NA when local weather not available.

JAMESTOWN, ND

JAMESTOWN RGNL ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR Rwy 31
NA when local weather not available.

NAME ALTERNATE MINIMUMS

LANGDON, ND

ROBERTSON FIELD ..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
NA when local weather not available.

LITCHFIELD, MN

LITCHFIELD MUNI ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR-A
NA when local weather not available.
Category D, 800-2¼.

MANKATO, MN

MANKATO RGNL ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 33
VOR Rwy 15
VOR Rwy 33
NA when local weather not available.

MAPLE LAKE, MN

MAPLE LAKE MUNI ..... **VOR-A**
NA when local weather not available.

MARSHALL, MN

SOUTHWEST MINNESOTA RGNL MARSHALL/ RYAN FIELD ..... **RNAV (GPS) Rwy 12**
VOR Rwy 12
NA when local weather not available.

MINNEAPOLIS, MN

AIRLAKE ..... **RNAV (GPS) Rwy 12**
VOR Rwy 12[1]
NA when local weather not available.
[1]Category D, 800-2¼.

ANOKA COUNTY-BLAINE AIRPORT (JANES FIELD) ..... **ILS or LOC/DME Rwy 27**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 27
VOR Rwy 9
VOR/DME Rwy 27
NA when local weather not available.

CRYSTAL ..... **RNAV (GPS) Rwy 14L**
NA when local weather not available.

FLYING CLOUD ..... **COPTER ILS or LOC Rwy 10R[1]**
ILS or LOC Rwy 10R[1]
RNAV (GPS) Rwy 10L
RNAV (GPS) Rwy 10R
RNAV (GPS) Rwy 28R
VOR Rwy 10R
VOR/DME Rwy 36
NA when local weather not available.
[1]NA when control tower closed.

NAME ALTERNATE MINIMUMS

MINNEAPOLIS, MN (CON'T)

MINNEAPOLIS-ST. PAUL INTL/
WOLD CHAMBERLAIN . **ILS or LOC Rwy 12L[2]**
ILS or LOC Rwy 12R[1]
ILS or LOC Rwy 30L[1]
ILS or LOC Rwy 30R[2]
ILS or LOC Rwy 35[3]
LOC Rwy 4[4]
LOC Rwy 22[4]
RNAV (GPS) Rwy 4[4]
RNAV (GPS) Rwy 12L[5]
RNAV (GPS) Rwy 12R[4]
RNAV (GPS) Rwy 22[4]
RNAV (GPS) Rwy 30L[4]
RNAV (GPS) Rwy 30R[4]
RNAV (GPS) Z Rwy 35[6]

[1]ILS, Category D, 700-2; Category E, 900-3. LOC, Category E, 900-3.
[2]ILS, Categories A, B, C, 700-2; Category D, 700-2¼; Category E, 900-3. LOC, Category D, 800-2¼; Category E, 900-3.
[3]ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 800-2½; Category E, 900-3. LOC, Category C, 800-2¼; Category D, 800-2½; Category E, 900-3.
[4]Category E, 900-3.
[5]Category D, 800-2¼; Cateogry E, 900-3.
[6]Category D, 800-2¼.

MINOT, ND

MINOT INTL ..... **ILS or LOC Rwy 31[12]**
LOC/DME BC Rwy 13[1]
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 31
VOR Rwy 8[3]
VOR Rwy 26[4]

NA when local weather not available.
[1]NA when tower closed.
[2]Category E, 1100-3.
[3]Categories A, B, 1100-2; Categories C, D, 1100-3.
[4]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

MITCHELL, SD

MITCHELL MUNI ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
VOR Rwy 12
VOR Rwy 30[1]

NA when local weather not available.
[1]Categories A, B, 1000-2; Categories C, D, 1000-3.

NAME ALTERNATE MINIMUMS

MOBRIDGE, SD

MOBRIDGE MUNI ..... **RNAV (GPS) Rwy 12[1]**
RNAV (GPS) Rwy 30[2]

NA when local weather not available
[1]Category D, 900-2¾.
[2]Category C, 800-2¼; Category D, 900-2¾.

MORRIS, MN

MORRIS MUNI-CHARLIE
SCHMIDT FLD ..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

PINE RIDGE, SD

PINE RIDGE ..... **RNAV (GPS) Rwy 30**

NA when local weather not available.
Categories A, B, 900-2.

PIPESTONE, MN

PIPESTONE MUNI ..... **NDB Rwy 36**
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

PRESTON, MN

FILLMORE COUNTY ..... **RNAV (GPS) Rwy 29**

NA when local weather not available.

RAPID CITY, SD

RAPID CITY RGNL ..... **ILS or LOC Rwy 32[1]**
RNAV (GPS) Rwy 14[2]
RNAV (GPS) Rwy 32[2]
VOR or TACAN Rwy 14[2]
VOR or TACAN Rwy 32[2]

NA when local weather not available.
[1]ILS, Category D, 700-2; Category E, 800-2¾. LOC, Category E, 800-2¾.
[2]Category E, 800-2¼.

RED WING, MN

RED WING RGNL ..... **RNAV (GPS) Rwy 27**

NA when local weather not available.
Categories A, B, 1100-2; Category C, 1100-3.

REDWOOD FALLS, MN

REDWOOD FALLS
MUNI ..... **RNAV (GPS) Rwy 30**
VOR-A

Category D, 800-2¼.
NA when local weather not available.

ROCHESTER, MN

ROCHESTER INTL ..... **ILS or LOC Rwy 13**
ILS or LOC Rwy 31
COPTER ILS or LOC Rwy 31

NA when control tower closed.

NAME ALTERNATE MINIMUMS

ROSEAU, MN

ROSEAU MUNI/
RUDY BILLBERG FIELD . **RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.

ST. CLOUD, MN

ST. CLOUD RGNL . **ILS or LOC/DME Rwy 13[123]**
RNAV (GPS) Rwy 5[1]
RNAV (GPS) Rwy 13[1]
RNAV (GPS) Rwy 23[1]
RNAV (GPS) Rwy 31[1]
VOR/DME Rwy 13[12]
VOR Rwy 31[12]
[1]NA when local weather not available.
[2]NA when control tower closed.
[3]ILS, Categories A, B, C, D, 700-2.

ST. PAUL, MN

ST. PAUL DOWNTOWN HOLMAN
FIELD ..... **ILS or LOC Rwy 14[12]**
ILS or LOC Rwy 32[13]
RNAV (GPS) Rwy 14[3]
RNAV (GPS) Rwy 32[4]
[1]NA when local weather not available.
[2]ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[3]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[4]Categories A, B, C, 900-2½; Category D, 900-2¾.

SIOUX FALLS, SD

JOE FOSS FIELD ..... **ILS or LOC Rwy 3[12]**
ILS or LOC Rwy 21[1]
RADAR-1[3]
VOR or TACAN Rwy 15[4]
VOR/DME or TACAN Rwy 33[3]
[1]NA when control tower closed.
[2]LOC, NA.
[3]Category E, 800-2¾.
[4]Category E, 900-3.

SOUTH ST. PAUL, MN

SOUTH ST. PAUL MUNI-RICHARD E
FLEMING FIELD ..... **RNAV (GPS) Rwy 34**
Category D, 800-2¼.
NA when local weather not available.

NAME ALTERNATE MINIMUMS

THIEF RIVER FALLS, MN

THIEF RIVER
FALLS RGNL ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR Rwy 13
NA when local weather not available.

VERMILLION, SD

HAROLD DAVIDSON
FIELD ..... **RNAV (GPS) Rwy 30**
NA when local weather not available.

WARROAD, MN

WARROAD INTL
MEMORIAL ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available.

WASECA, MN

WASECA MUNI ..... **RNAV (GPS) Rwy 15**
NA when local weather not available.

WATERTOWN, SD

WATERTOWN RGNL ..... **LOC/DME BC Rwy 17**
NDB Rwy 35
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 35
VOR or TACAN Rwy 17
NA when local weather not available.

WILLISTON, ND

SLOULIN FIELD INTL ..... **RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29
VOR Rwy 11
VOR/DME Rwy 29
NA when local weather not available.

WILLMAR, MN

WILLMAR MUNI-JOHN
L RICE FIELD ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR Rwy 13
VOR Rwy 31[1]
NA when local weather not available.
[1]Category D, 800-2¼.

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NAME ALTERNATE MINIMUMS

WINDOM, MN

WINDOM MUNI ..... **NDB Rwy 17**
Category C, 800-2¼.

WINNER, SD

WINNER RGNL ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR-A
NA when local weather not available.

WORTHINGTON, MN

WORTHINGTON
MUNI ..... **VOR or GPS Rwy 11**
Category D, 800-2¼.

YANKTON, SD

CHAN GURNEY MUNI ... **RNAV (GPS) Rwy 13[1]**
VOR Rwy 13[1]
VOR Rwy 31[2]
[1]NA when local weather not available.
[2]Category D, 800-2¼.

BISMARCK, ND
Amdt. 3B, AUG 26, 2010 (FAA) ELEV **1661**

BISMARCK MUNI
RADAR - 126.3 298.9

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	13	AB	**2100**-1	445	(500-1)	C	**2100**-1¼	445	(500-1¼)
		D	**2100**-1½	445	(500-1½)				
	31	AB	**2100**/24	455	(500-½)	C	**2100**/40	455	(500-¾)
		D	**2100**/50	455	(500-1)				
	21	AB	**2120**-1	459	(500-1)	C	**2120**-1¼	459	(500-1¼)
		D	**2120**-1½	459	(500-1½)				
	3	AB	**2120**-1	459	(500-1)	C	**2120**-1¼	459	(500-1¼)
		D	**2120**-1½	459	(500-1½)				
CIRCLING		A	**2180**-1	519	(600-1)	B	**2220**-1	539	(600-1)
		C	**2220**-1½	559	(600-1½)	D	**2280**-2	619	(700-2)

Inoperative table does not apply to MALS Rwy 13.

DULUTH, MN
Amdt. 20, OCT 7, 1999 (FAA) ELEV **1428**

DULUTH INTL
RADAR - 125.45 255.9

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	3	ABC	**1820**-1	400	(400-1)	D	**1820**-1¼	400	(400-1¼)
		E	**1820**-1½	400	(400-1½)				
	27	AB	**1860**/24	439	(500-½)	C	**1860**/40	439	(500-¾)
		DE	**1860**/50	439	(500-1)				
	21	AB	**1860**-1	440	(500-1)	C	**1860**-1¼	440	(500-1¼)
		DE	**1860**-1½	440	(500-1½)				
	9	AB	**1880**/24	452	(500-½)	C	**1880**/40	452	(500-¾)
		DE	**1880**/50	452	(500-1)				
CIRCLING		AB	**1920**-1	492	(500-1)	C	**1920**-1½	492	(500-1½)
		DE	**1980**-2	552	(600-2)				

Category E circling NA southeast of Rwys 3 and 27.

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ELLSWORTH AFB (KRCA) (Rapid City), SD (Amdt 1, 10294 USAF) ELEV **3276**

RADAR - (E) 119.5 259.1[1]

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	13[2]		AB	**3820**/40	544	(600-¾)
			C	**3820**/50	544	(600-1)
			D	**3820**/60	544	(600-1¼)
			E	**3820**-1½	544	(600-1½)
	31[2]		AB	**3820**/40	628	(600-¾)
			C	**3820**/60	628	(600-1¼)
			D	**3820**-1½	628	(600-1½)
			E	**3820**-1¾	628	(600-1¾)
CIR	All Rwy[3]		A	**3860**-1¼	584	(600-1¼)
			B	**3880**-1¼	604	(700-1¼)
			C	**3880**-1¾	604	(700-1¾)
			D	**3880**-2	604	(700-2)
			E	**4040**-2¾	764	(800-2¾)

[1]Ltd ASR apch avbl 1300-0500Z++ Mon-Fri. [2]When ALS inop, increase CAT AB RVR to 60 and vis to 1¼, increase CAT CDE vis ½ mile. [3]CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within class D airspace.

MANDAN, ND Amdt. 4, NOV 09, 1995 (FAA) ELEV **1942**

MANDAN MUNI

RADAR - 126.3 298.9 ⚠ NA

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HAT/ HAA	CEIL-VIS
ASR	31		AB	**2360**-1	418	(500-1)	CD	**2360**-1¼	418	(500-1¼)
	13		AB	**2460**-1	520	(600-1)	C	**2460**-1½	520	(600-1½)
			D	**2460**-1¾	520	(600-1¾)				
CIRCLING			A	**2460**-1	518	(600-1)	B	**2500**-1	558	(600-1)
			C	**2500**-1½	558	(600-1½)	D	**2500**-2	558	(600-2)

Use Bismarck altimeter setting.
When Bismarck control tower closed, ASR NA.

ROCHESTER, MN
Amdt. 8, JAN 15, 2009 (FAA) ELEV **1317**

ROCHESTER INTL
RADAR - 119.8 251.125

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	2	ABC	**1680**-1	363	(400-1)	D	**1680**-1¼	363	(400-1¼)
	13	ABC	**1640**/24	360	(400-½)	D	**1640**/50	360	(400-1)
	20	ABC	**1660**-1	356	(400-1)	D	**1660**-1¼	356	(400-1¼)
	31	ABC	**1660**/24	356	(400-½)	D	**1660**/50	356	(400-1)
CIRCLING		A	**1720**-1	403	(500-1)	B	**1780**-1	463	(500-1)
		C	**1780**-1½	463	(500-1½)	D	**1880**-2	563	(600-2)

When control tower closed, procedure NA. For inoperative MALSR, increase S-13 and S-31 Cat D visibility to RVR 6000. Visibility reduction by helicopters NA Rwy 2-20.

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21 OCT 2010 to 18 NOV 2010

SIOUX FALLS, SD
Amdt. 10A, OCT 3,2003 (FAA) ELEV **1429**

JOE FOSS FIELD
RADAR - 125.8 353.6

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	3	AB	**1940**/24	517	(600-½)	C	**1940**/50	517	(600-1)
		DE	**1940**/60	517	(600-1¼)				
	33	AB	**1920**-1	497	(500-1)	C	**1920**-1¼	497	(500-1¼)
		D	**1920**-1½	497	(500-1½)	E	**1920**-1¾	497	(500-1¾)
	21	AB	**1960**/24	531	(600-½)	C	**1960**/50	531	(600-1)
		D	**1960**/60	531	(600-1¼)	E	**1960**-1½	531	(600-1½)
	15	AB	**1960**-1	534	(600-1)	C	**1960**-1½	534	(600-1½)
		D	**1960**-1¾	534	(600-1¾)	E	**1960**-2	534	(600-2)
CIRCLING		AB	**1960**-1	531	(600-1)	C	**1960**-1½	531	(600-1½)
		D	**2040**-2	611	(700-2)	E	**2300**-3	871	(900-3)

When control tower closed, procedure not authorized.
Category E S-3 visibility increased 1¾ mile for inoperative MALSR.
Category E S-21 visibility increased to 2 miles for inoperative MALSR.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

ABERDEEN, SD

ABERDEEN RGNL (ABR)
ORIG 09239 (FAA)
NOTE: **Rwy 17,** trees 1138' from DER, 432' right of centerline, 41' AGL/1336' MSL. **Rwy 31,** multiple trees beginning 1391' from DER, 326' left of centerline, up to 65' AGL/1360' MSL.

AITKIN, MN

AITKIN MUNI-STEVE KURTZ FIELD (AIT)
AMDT 2 96172 (FAA)
TAKE-OFF MINIMUMS: **Rwys 8, 26,** 300-1. **Rwy 16,** 300-1 or std. with a min climb of 400' per NM to 1500.
DEPARTURE PROCEDURE: **Rwys 16, 26,** climb runway heading to 1700 before turning.

ALBERT LEA, MN

ALBERT LEA MUNI (AEL)
ORIG 85241 (FAA)
DEPARTURE PROCEDURE: **Rwys 16, 22,** climb runway heading to 1800 before turning on course.

ALEXANDRIA, MN

CHANDLER FIELD (AXN)
DEPARTURE PROCEDURE: **Rwys 4, 13, 22,** when weather is below 200-1, climb runway heading to 1800 before turning.

NAME TAKE-OFF MINIMUMS

APPLETON, MN

APPLETON MUNI (AQP)
ORIG-A 10126 (FAA)
DEPARTURE PROCEDURE: **Rwy 4,** climb heading 039° to 2000 before turning right. **Rwy 13,** climb heading 130° to 2500 before turning right. **Rwy 22,** climb heading 219° to 2400 before turning left. **Rwy 31,** climb heading 300° to 2000 before turning left.
NOTE: **Rwy 13,** trees beginning 91' from DER, 464' left of centerline, up to 100' AGL/1134' MSL. Trees beginning 576' from DER, 388' right of centerline, up to 100' AGL/1120' MSL. Tower 2.3 NM from DER, 2.4 right of centerline, 1283' AGL/2318' MSL.

AUSTIN, MN

AUSTIN MUNI (AUM)
ORIG 08045 (FAA)
NOTE: **Rwy 17,** Multiple trees beginning 809' from departure end of runway, 663' right of centerline, up to 61' AGL/1285' MSL. **Rwy 35,** Tree 1380' from departure end of runway, 484' right of centerline, 100' AGL/1314' MSL.

BAUDETTE, MN
BAUDETTE INTL (BDE)
AMDT 1 10154 (FAA)
DEPARTURE PROCEDURE: **Rwy 12,** climb heading 117° to 1700 before turning northbound.
NOTE: **Rwy 12,** trees, pipes, and markers beginning 61' from DER, 354' right of centerline, up to 100' AGL/1184' MSL. Trees beginning 593' from DER, 138' left of centerline, up to 21' AGL/1100' MSL. Rod on OL tank 4132' from DER, 1233' right of centerline, 120' AGL/1204' MSL. **Rwy 30,** trees beginning 15' from DER, 348' right of centerline, 12' AGL/1096' MSL. Trees beginning 2036' from DER, 532' left of centerline, 64' AGL/1143' MSL.

BELLE FOURCHE, SD
BELLE FOURCHE MUNI (EFC)
AMDT 2 09015 (FAA)
TAKE-OFF MINIMUMS: **Rwys 18,36,** NA. **Rwy 14,** std. w/ min. climb of 240' per NM to 9000 or 1400-3 for climb in visual conditions. **Rwy 32,** std. w/ min. climb of 413' per NM to 3900.
DEPARTURE PROCEDURE: **Rwy 14,** for climb in visual conditions: cross Belle Fourche Muni airport at or above 4400 MSL before proceeding on course. **Rwy 32,** climb heading 321° to 3900 before proceeding southbound.
NOTE: **Rwy 14,** trees 651' from departure end of runway, 547' left of centerline, up to 20' AGL/3299' MSL. **Rwy 32,** trees 857' from departure end of runway, 150' left of centerline, up to 20' AGL/3199' MSL. Trees 3880' from departure end of runway, 966' right of centerline, up to 20' AGL/3289' MSL.

BEMIDJI, MN
BEMIDJI RGNL (BJI)
AMDT 3 08213 (FAA)
NOTE: **Rwy 7,** vegetation beginning 859' from departure end of runway, 544' right of centerline, up to 62' AGL/1442' MSL. Vegetation beginning 1404' from departure end of runway, 683' left of centerline, up to 44' AGL/1424' MSL. **Rwy 13,** vehicle on road, 541' from departure end of runway, 525' right of centerline, 15' AGL/1398' MSL. **Rwy 25,** poles beginning 1337' from departure end of runway, 205' right of ceterline up to 61' AGL/1445' MSL. Trees beginning 1414' from departure end of runway, 254' left of centerline, up to 57' AGL/1441' MSL. Tree 1406' from departure end of runway, 233' right of centerline, 53' AGL/1437' MSL.

BENSON, MN
BENSON MUNI (BBB)
AMDT 1 09127 (FAA)
NOTE: **Rwy 14,** numerous trees beginning 838' from DER, 246' right of centerline, up to 33' AGL/1087' MSL. Numerous trees beginning 1232' from DER, 64' left of centerline, up to 69' AGL/1108' MSL. Sign 206' from DER, 198' left of centerline, 19' AGL/1044' MSL. Tower 4884' from DER, 274' right of centerline, 126' AGL/1161' MSL. **Rwy 32,** Tree 2380' from DER, 646' left of centerline, 68' AGL/1107' MSL. Multiple fences beginning 13' from DER, 361' left of centerline, up to 8' AGL/1043' MSL.

BIGFORK, MN
BIGFORK MUNI (FOZ)
ORIG -A 10126 (FAA)
TAKE-OFF MINIMUMS: **Rwy 15,** 400-1 or std. with a min. climb of 332' per NM to 1900.

BISMARCK, ND
BISMARCK MUNI (BIS)
AMDT 7 01137 (FAA)
DEPARTURE PROCEDURE: **Rwys 3, 31,** climb runway heading to 2500 before proceeding on course. **Rwys 13, 21**, climb runway heading to 3800 before proceeding south.

BOTTINEAU, ND
BOTTINEAU MUNI (D09)
AMDT 1 10154 (FAA)
TAKE-OFF MINIMUMS: **Rwys 3, 21,** NA.
DEPARTURE PROCEDURE: **Rwy 13,** climb heading 127° to 2200 before turning left. **Rwy 31,** climb heading 307° to 2600 before turning right.
NOTE: **Rwy 31,** street light 116' from DER, 474' left of centerline, 16' AGL/1700' MSL.

BRAINERD, MN
BRAINERD LAKES RGNL (BRD)
AMDT 5A 10126 (FAA)
NOTE: **Rwy 12,** multiple trees beginning 165' from DER, 417' left of centerline, up to 78' AGL/1279' MSL. Multiple trees and vehicle on road beginning 304' from DER, 206' right of centerline, up to 66' AGL/1277' MSL. **Rwy 16,** multiple trees beginning 1830' from DER, 749' left of centerline, up to 74' AGL/1314' MSL. **Rwy 23,** multiple trees beginning 1495' from DER, 179' left of centerline, up to 48' AGL/1285' MSL. Tree 2437' from DER, 716' right of centerline, 50' AGL/1279' MSL. **Rwy 30,** multiple trees beginning 243' from DER, 131'left of centerline, up to 61' AGL/1287' MSL. Multiple trees 48' from DER, 328' right of centerline, up to 59' AGL/1329' MSL. **Rwy 34,** trees beginning 2341' from DER, left and right of centerline, up to 93' AGL/1293' MSL.

BRITTON, SD
BRITTON MUNI (BTN)
AMDT 2 96060 (FAA)
TAKE-OFF MINIMUMS: **Rwy 13,** 300-1 or std. with a min. climb of 450' per NM to 1600. **Rwy 19,** 300-1.
DEPARTURE PROCEDURE: **Rwy 19,** climb runway heading to 2000 before turning.

BROOKINGS, SD
BROOKINGS RGNL (BKX)
ORIG 09015 (FAA)
NOTE: **Rwy 12,** pole and trees beginning 1041' from departure end of runway, 207' left of centerline, up to 65' AGL/1705' MSL. Building 1277' from departure end of runway, 825' right of centerline, 38' AGL/1618' MSL. **Rwy 17,** vehicle on road 799' from departure end of runway, on centerline, up to 15' AGL/1687' MSL. Trees beginning 906' from departure end of runway, 464' left of centerline, up to 100' AGL/1749' MSL. **Rwy 30,** railroad beginning 547' from departure end of runway, 502' right of centerline, 23' AGL/1626' MSL. Tree 132' from departure end of runway, 433' left of centerline, 20' AGL/1615' MSL. **Rwy 35,** trees 2892' from departure end of runway, 944' right of centerline, up to 100' AGL/1709' MSL.

CANBY, MN
MYERS FIELD (CNB)
AMDT 1 10210 (FAA)
NOTE: **Rwy 12,** numerous poles beginning 40' from DER, 421' left and right of centerline, up to 36' AGL/1216' MSL. Truck on roads beginning 134' from DER, 37' left and right of centerline, up to 22' AGL/1202' MSL. Tree 3' from DER, 159' right of centerline, 7' AGL/1187' MSL. **Rwy 30,** numerous trees beginning 726' from DER, 176' left of centerline, up to 70' AGL/1278' MSL. Tree 1338' from DER, 716' right of centerline, 68' AGL/1268' MSL.

CASSELTON, ND
CASSELTON ROBERT MILLER RGNL (5N8)
ORIG 07354 (FAA)
TAKE-OFF MINIMUMS: **Rwy 31,** 400-2½ or std. w/ a min. climb of 212' per NM to 1400 or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1700' prior to departure end of runway.
NOTE: **Rwy 13,** railroad 30' from departure end of runway, 505' right of centerline, 23' AGL/945' MSL. Vehicle on road 449' from departure end of runway, 300' left of centerline, 15' AGL/949' MSL. **Rwy 31,** trees 2251' from departure end of runway, 456' left of centerline, up to 100' AGL/1052' MSL.

CAVALIER, ND
CAVALIER MUNI (2C8)
ORIG 03191 (FAA)
TAKE-OFF MINIMUMS: **Rwy 16,** 300-1 or std. with a min. climb of 430' per NM to 1200.
NOTE: **Rwy 16,** grain elevator 3731' from departure end of runway, 284' left of centerline, 168' AGL/1060' MSL.

CHAMBERLAIN, SD
CHAMBERLAIN MUNI (9V9)
ORIG 10154 (FAA)
TAKE-OFF MINIMUMS: **Rwys 18, 36,** NA-Environmental.
NOTE: **Rwy 31,** fence 457' from DER, 376' left of centerline, 10' AGL/1705' MSL. Fence 1294' from DER, 424' right of centerline, 10' AGL/1722' MSL. Trees beginning 1763' from DER, 892' left of centerline, up to 100' AGL/1819' MSL. Trees beginning 189' from DER, 41' right of centerline, up to 100' AGL/1819' MSL.

CLOQUET, MN
CLOQUET CARLTON COUNTY (COQ)
AMDT 1 80248 (FAA)
TAKE-OFF MINIMUMS: **Rwy 7,** 300-1 or std. with a min. climb of 400' per NM to 1400.

CROOKSTON, MN
CROOKSTON MUNI-KIRKWOOD FIELD (CKN)
AMDT 2 07298 (FAA)
TAKE-OFF MINIMUMS: **Rwys 6, 17, 24, 35,** NA-turf runways.
NOTE: **Rwy 13,** tree 1998' from departure end of runway, 587' left of centerline, 94' AGL/970' MSL. Pole 1127' from departure end of runway, 662' left of centerline, 46' AGL/926' MSL.

CROSBY, ND
CROSBY MUNI (D50)
ORIG 10154 (FAA)
TAKE-OFF MINIMUMS: **Rwys 3, 21,** NA-Environmental.
NOTE: **Rwy 12,** hangars and poles beginning 133' from DER, 263' right of centerline, up to 35' AGL/1983' MSL. Vehicle on road 800' from DER, 200' right of centerline, 22' AGL/1967' MSL. **Rwy 30,** power line, 2100' from DER, on centerline, 60' AGL/2011' MSL.

DETROIT LAKES, MN
DETROIT LAKES-WETHING FIELD (DTL)
ORIG 05132 (FAA)
TAKE-OFF MINIMUMS: **Rwys 17, 35,** NA.
NOTE: **Rwy 31,** highway 243' from departure end of runway, 267' right of centerline, 15' AGL/1404' MSL. Railroad 534' from departure end of runway, 298' right of centerline, 23' AGL/1411' MSL.

DEVILS LAKE, ND
DEVILS LAKE RGNL (DVL)
AMDT 1A 09351 (FAA)
TAKE-OFF MINIMUMS: **Rwy 31,** 300-1 or std. with a min. climb of 350' per NM to 1600.
NOTE: **Rwy 3,** tree 1528' from DER, 319' left of centerline, 100' AGL/1490' MSL. Tree 1520' from DER, 136' right of centerline, 100' AGL/1489' MSL. **Rwy 13,** bush 266' from DER, 523' left of centerline, 17' AGL/1451' MSL. Road, light pole and antenna on building beginning 95' from DER, 414' right of centerline, up to 17' AGL/1484' MSL. **Rwy 21,** roads beginning 335' from DER, 2' right of centerline, 15' AGL/1447' MSL, multiple poles, trees and towers beginning 552' from DER 355' left of centerline, up to 123' AGL/1548' MSL. **Rwy 31,** road 470' from DER, 424' right of centerline, 15' AGL/1472' MSL. Multiple poles and trees beginning 1180' from DER, 354' left of centerline, up to 49' AGL/1545' MSL.

DICKINSON, ND
DICKINSON-THEODORE ROOSEVELT RGNL (DIK)
AMDT 1 05244 (FAA)
DEPARTURE PROCEDURE: **Rwy 25,** climb via heading 250° to 3100 before turning left.
NOTE: **Rwy 7,** road 887' from departure end of runway, on rwy centerline, 15' AGL/2631' MSL.

DODGE CENTER, MN
DODGE CENTER (TOB)
ORIG 09015 (FAA)
TAKE-OFF MINIMUMS: **Rwy 22,** NA-Environmental.
NOTE: **Rwy 16,** trees 3945' from departure end of runway, 1542' left of centerline, 100' AGL/1409' MSL.

21 OCT 2010 to 18 NOV 2010

DULUTH, MN

DULUTH INTL (DLH)
ORIG 06327 (FAA)

NOTE: **Rwy 3,** multiple trees beginning 21' from departure end of runway, 226' right of centerline, up to 68' AGL/1477' MSL. Multiple trees beginning 246' from departure end of runway, 26' left of centerline, up to 64' AGL/1473' MSL. **Rwy 9,** electrical equipment 207' from departure end of runway, 408' left of centerline, 6' AGL/1425' MSL. **Rwy 21,** tower 3762' from departure end of runway, 410' left of centerline, 92' AGL/1522' MSL. **Rwy 27,** tree 2426' from departure end of runway, 1127' right of centerline, 53' AGL/1522' MSL. Bush and multiple trees beginning 347' from departure end of runway, 484' left of centerline, up to 44' AGL/1533' MSL.

SKY HARBOR (DYT)
ORIG 83174 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** 300-1. **Rwy 32,** 1500-2 or std. with a min. climb of 360' per NM to 2300.

DEPARTURE PROCEDURE: **Rwy 14,** northwest departures (260° CW 030°) climb to 2300 via heading 260° or 030° before proceeding on course.

EAGLE BUTTE, SD

CHEYENNE EAGLE BUTTE (84D)
ORIG 96228 (FAA)

TAKE-OFF MINIMUMS: **Rwys 13,31,** 300-1.

ELY, MN

ELY MUNI (ELO)
AMDT 2 97086 (FAA)

TAKE-OFF MINIMUMS: **Rwy 12,** 300-1 or std. with a min. climb of 200' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 30,** northbound departures climb runway heading to 2000 before turning.

EVELETH, MN

EVELETH-VIRGINIA MUNI (EVM)
AMDT 2 94118 (FAA)

TAKE-OFF MINIMUMS: **Rwy 32,** 800-2 or std. with a min. climb to 330' per NM to 2300.

DEPARTURE PROCEDURE: **Rwy 27**, northwest departures (270°-050°) climb runway heading to 2200 before turning.

FAIRMONT, MN

FAIRMONT MUNI (FRM)
AMDT 3 09127 (FAA)

NOTE: **Rwy 2,** trees beginning 2466' from DER, 1105' right of centerline, up to 100' AGL/1269' MSL. **Rwy 13,** tree 2340' from DER, 1039' left of centerline, 100' AGL/1269' MSL. **Rwy 20,** trees beginning 1640' from DER, 914' right of centerline, up to 100' AGL/1289' MSL. Trees beginning 913' from DER, 449' left of centerline, up to 100' AGL/1299' MSL. **Rwy 31,** trees beginning 954' from DER, 161' left of centerline, up to 100' AGL/1299' MSL. Trees and road beginning 791' from DER, 339' right of centerline, up to 57' AGL/1226' MSL.

FARGO, ND

HECTOR INTL (FAR)
AMDT 4 04330 (FAA)

TAKE-OFF MINIMUMS: **Rwys 13,31,** NA.

NOTE: **Rwy 9,** multiple light poles 1124' from departure end of runway, 305' left of centerline, 20' AGL/927' MSL.

FARIBAULT, MN

FARIBAULT MUNI (FBL)
ORIG 10266 (FAA)

NOTE: **Rwy 12,** numerous trees beginning 73' from DER, 51' right and left of centerline, up to 100' AGL/1169' MSL. **Rwy 30,** numerous trees beginning 24' from DER, 266' right and left of centerline, up to 100' AGL/1189' MSL.

FERGUS FALLS, MN

FERGUS FALLS MUNI-EINAR MICKELSON FIELD (FFM)
ORIG 09239 (FAA)

NOTE: **Rwy 13,** trees beginning 2612' from DER, 128' right of centerline, up to 100' AGL/1269' MSL. Trees beginning 2514' from DER, 42' left of centerline, up to 100' AGL/1259' MSL. **Rwy 17,** trees beginning 1100' from DER 663' right of centerline, up to 100' AGL/1269' MSL. Road 222' from DER, 469' right of centerline, 15' AGL/1173' MSL. **Rwy 35,** trees beginning 2156' from DER, 176' right of centerline, up to 100' AGL/1289' MSL.

FOSSTON, MN

FOSSTON MUNI (FSE)
AMDT 1A 10182 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** climb runway heading to 2000 before turning.

GETTYSBURG, SD

GETTYSBURG MUNI (0D8)
AMDT 1 07018 (FAA)

NOTE: **Rwy 4,** multiple trees beginning 1011' from departure end of runway, 420' left of centerline, up to 60' AGL/2119' MSL. **Rwy 13,** multiple trees beginning 1897' from departure end of runway, 975' left of centerline, 60' AGL/2119' MSL. **Rwy 22,** multiple trees beginning 679' from departure end of runway, 117' left of centerline, up to 60' AGL/2109' MSL.

GLENCOE, MN

GLENCOE MUNI (GYL)
ORIG 09071 (FAA)

NOTE: **Rwy 13,** trees beginning349' from DER, 257' right of centerline, up to 100' AGL/1099' MSL. Trees beginning 1211' from DER, 314' left of centerline, up to 100' AGL/1109' MSL. Terrain beginning 53' from DER, 166' left of centerline, up to 998' MSL. Terrain beginning 286' from DER, 435' right of centerline, up to 1001' MSL. **Rwy 31,** trees beginning 501' from DER, 530' right of centerline, up to 100' AGL/1099' MSL. Tree 2577' from DER, 129' left of centerline, 100' AGL/1109' MSL.

GLENWOOD, MN
GLENWOOD MUNI (GHW)
AMDT 2 98337 (FAA)
TAKE-OFF MINIMUMS: **Rwy 5,** 1200-2 or std. with a min. climb of 220' per NM to 2900.

GRAFTON, ND
HUTSON FIELD (GAF)
AMDT 1 10210 (FAA)
TAKE-OFF MINIMUMS: **Rwys 8, 26,** NA-Environmental.
NOTE: **Rwy 17,** vehicle on roads beginning 23' from DER, 300' left of centerline, up to 15' AGL/837' MSL. Tree 2612' from DER, 857' left of centerline, 100' AGL/929' MSL. **Rwy 35,** building 107' from DER, 344' left of centerline, 17' AGL/836' MSL. Electrical system 153' from DER, 398' left of centerline, 21' AGL/840' MSL. Vehicle on roads beginning 260' from DER, 74' left of centerline, up to 15' AGL/841' MSL. Obstruction light on airport beacon 471' from DER, 601' left of centerline, 54' AGL/873' MSL.

GRAND FORKS, ND
GRAND FORKS INTL (GFK)
AMDT 2 09071 (FAA)
NOTE: **Rwy 9L,** tree 127' from DER, 451' left of centerline, 12' AGL/853' MSL. **Rwy 27R,** bush 38' from DER, 474' right of centerline, 5' AGL/844' MSL. **Rwy 35L,** obstruction light on DME 645' from DER, 198' left of centerline, 21' AGL/860' MSL. **Rwy 35R,** tree 1259' from DER, 521' right of centerline, 41' AGL/880' MSL. Tree 1655' from DER, 271' left of centerline, 45' AGL/884' MSL.

GRAND MARAIS, MN
GRAND MARAIS/COOK COUNTY (CKC)
ORIG 09015 (FAA)
NOTE: **Rwy 9,** trees beginning 58' from departure end of runway, 168' right of centerline up to 54' AGL/1833' MSL. Bushes 112' from departure end of runway, 142' left of centerline, 11' AGL/1805' MSL. Tree 464' from departure end of runway, 75' left of centerline, 14' AGL/1813' MSL. **Rwy 27,** trees beginning 85' from departure end of runway, 187' left of centerline, up to 59' AGL/1858' MSL. Trees beginning 282' from departure end of runway, 115' right of centerline, up to 42' AGL/1861' MSL.

GRAND RAPIDS, MN
GRAND RAPIDS/ITASCA COUNTY-GORDON NEWSTROM FIELD (GPZ)
AMDT 4 09127 (FAA)
TAKE-OFF MINIMUMS: **Rwys 5,10,23,28,** NA-Environmental.
NOTE: **Rwy 16,** tree 1655' from DER, 899' left of centerline, 51' AGL/1410' MSL. Tree 3236' from DER, 1130' right of centerline, 82' AGL/1441' MSL. **Rwy 34,** tree 3416' from DER, 1253' right of centerline, 100' AGL/1399' MSL.

GRANITE FALLS, MN
GRANITE FALLS MUNI/LENZEN-ROE MEML FLD (GDB)
ORIG 10126 (FAA)
NOTE: **Rwy 15,** trees beginning 1780' from DER, 94' left of centerline, up to 100' AGL/1149' MSL. **Rwy 33,** trees beginning 1196' from DER, right and left of centerline, up to 100' AGL/1149' MSL. Powerline 1242' from DER, 762' left of centerline, 80' AGL/1129' MSL. Train 1390' from DER, 149' left of centerline, 23' AGL/1162' MSL. Vehicle on road 1389' from DER, 156' left of centerline, up to 15' AGL/1154' MSL.

GREGORY, SD
GREGORY MUNI, FLYNN FIELD (9D1)
ORIG-A 10182 (FAA)
TAKE-OFF MINIMUMS: **Rwy 31,** 400-2¼ or std. with a min. climb of 228' per NM to 2600.
NOTE: **Rwy 31,** tower 11377' from DER, 816' right of centerline, 210' AGL/2491' MSL.

GWINNER, ND
GWINNER-ROGER MELROE FIELD (GWR)
ORIG 09183 (FAA)
TAKE-OFF MINIMUMS: **Rwys 6, 24,** NA-Environment. **Rwy 34,** Std. w/ min. climb of 216' per NM to 2000, or 900-2½ for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 34,** for climb in visual conditions, cross Gwinner-Roger Melroe Field at or above 2000, before proceeding on course.
NOTE: **Rwy 16,** terrain beginning 15' from DER, 73' right of centerline, 1257' MSL. **Rwy 34,** road and vehicle 436' from DER, on centerline, 15' AGL/1286' MSL.

HARVEY, ND
HARVEY MUNI (5H4)
ORIG 10266 (FAA)
NOTE: **Rwy 11,** vehicle on road beginning 50' from DER, 318' left of centerline, up to 15' AGL/1654' MSL. Tree 300' from DER, 329' right of centerline, 20' AGL/1621' MSL. Tree 350' from DER, 444' right of centerline, 20' AGL/1619' MSL. **Rwy 29,** vehicle on road beginning 4' from DER, left and right of centerline, up to 15' AGL/1654' MSL. Rising terrain beginning 7' from DER, 31' left of centerline, up to 1608' MSL.

HAWLEY, MN
HAWLEY MUNI (04Y)
ORIG 07074 (FAA)
NOTE: **Rwy 34,** road 15' from departure end of runway, 421' left of centerline, 15' AGL/1224' MSL.

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HAZEN, ND
MERCER COUNTY RGNL (HZE)
ORIG 10210 (FAA)
TAKE-OFF MINIMUMS: **Rwy 32,** std. w/ min. climb of 215' per NM to 2700, or 900-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 32,** for climb in visual conditions: cross Mercer County Rgnl airport at or above 2600 MSL before proceeding on course.
NOTE: **Rwy 14,** numerous fences beginning 196' from DER, 108' left of centerline, up to 12' AGL/1843' MSL. Terrain beginning 501' from DER, 271' left of centerline, up to 1837' MSL. **Rwy 32,** tree 1291' from DER, 592' right of centerline, 25' AGL/1833' MSL. Terrain 495' from DER, 360' left of centerline, 1803' MSL. Fence 5' from DER, 298' left of centerline, 8' AGL/1790' MSL. Tree 1444' from DER, 520' right of centerline, 25' AGL/1823' MSL.

HETTINGER, ND
HETTINGER MUNI (HEI)
AMDT 2 10154 (FAA)
TAKE-OFF MINIMUMS: **Rwy 12,** 300-1 or std. with a min. climb of 324' per NM to 3000. **Rwys 17, 35,** NA-Environmental.
NOTE: **Rwy 30,** road plus vehicles beginning 63' from DER, crossing left to right, 15' AGL/2744' MSL. Trees beginning 4306' from DER, 17' right of centerline, 100' AGL/2819' MSL.

HIBBING, MN
RANGE RGNL (HIB)
AMDT 6 04218 (FAA)
DEPARTURE PROCEDURE: **Rwy 22,** climb via heading 227° to 2200 before turning right. **Rwy 31,** climb via heading 310° to 2200 before turning left.
NOTE: **Rwy 4,** antenna on pole, 361' from departure end of runway, 409' right of centerline, 1377' MSL. **Rwy 13,** obstacle light on pole, 1184' from departure end of runway, 636' left of centerline. Numerous trees beginning 1291' from departure end of runway, 745' left of centerline up to 1419' MSL. Trees 1497' from departure end of runway, 563' right of centerline, 1388' MSL. **Rwy 22,** multiple trees beginning 368' from departure end of runway, 170' right of centerline, up to 1416' MSL. Multiple trees beginning 413' from departure end of runway, 117' left of centerline, up to 1400' MSL. **Rwy 31,** light standard, 865' from departure end of runway, 595' right of centerline, 1381' MSL.

HILLSBORO, ND
HILLSBORO MUNI (3H4)
ORIG 97198 (FAA)
DEPARTURE PROCEDURE: **Rwys 16, 34,** climb runway heading to 2000 prior to turning westbound.

HINCKLEY, MN
FIELD OF DREAMS (04W)
ORIG 08045 (FAA)
NOTE: **Rwy 6,** Tree 82' from departure end of runway, 480' right of centerline, 100' AGL/1114' MSL. Tree 143' from departure end of runway, 161' left of centerline, 100' AGL/1114' MSL. **Rwy 24,** Tree 48' from departure end of runway, 165' left of centerline, 100' AGL/1124' MSL.

HOT SPRINGS, SD
HOT SPRINGS MUNI (HSR)
ORIG 97142 (FAA)
TAKE-OFF MINIMUMS: **Rwy 1,** 300-1 or std. with a min. climb of 360' per NM to 5000. **Rwy 19,** 300-2 or std. with a min. climb of 250' per NM to 5000.
DEPARTURE PROCEDURE: **Rwys 1,19,** climb runway heading to 5000 before proceeding westbound.

HURON, SD
HURON RGNL (HON)
AMDT 5 09239 (FAA)
NOTE: **Rwy 12,** trees and pole beginning 918' from DER, 525' left of centerline, up to 62' AGL/1341' MSL. Trees beginning 291' from DER, 234' right of centerline, up to 100' AGL/1389' MSL. **Rwy 17,** trees beginning 236' from DER, 307' left of centerline, up to 67' AGL/1346' MSL. Trees beginning 264' from DER, 262' right of centerline, 73' AGL/1352' MSL. **Rwy 30,** trees beginning 3428' from DER, 1378' left of centerline, up to 100' AGL/1394' MSL. **Rwy 35,** trees beginning 60' from DER, 104' left of centerline, up to 49' AGL/1328' MSL. Trees beginning 251' from DER, 97' right of centerline, 52' AGL/1331' MSL.

INTERNATIONAL FALLS, MN
FALLS INTL (INL)
AMDT 3 08101 (FAA)
NOTE: **Rwy 4,** Tree 392' from departure end of runway 311' left of centerline, 51' AGL/1231' MSL. **Rwy 13,** multiple trees beginning 1999' from departure end of runway, 773' left of centerline, up to 63' AGL/1233' MSL. Pole 1091, from departure end of runway, 703' right of centerline, 37' AGL/1207' MSL. Road 1005' from departure end of runway, 766' left of centerline, 15' AGL/1195' MSL. **Rwy 22,** Multiple trees beginning 433' from departure end of runway 273' left of centerline, up to 33' AGL/1213' MSL. Trees 1144' from departure end of runway 136' right of centerline, 28' AGL/1208' MSL. **Rwy 31,** Trees 968' from departue end of runway, 752' left of centerline, 56' AGL/1236' MSL.

JACKSON, MN
JACKSON MUNI (MJQ)
ORIG 08045 (FAA)
TAKE-OFF MINIMUMS: **Rwys 4,22,** NA-TURF.
DEPARTURE PROCEDURE: **Rwy 13,** Climb heading 134° to 1900 before turning right.
NOTES: **Rwy 13,** Trees beginning 1474' from departure end of runway, 556' left of centerline, up to 80' AGL/1539' MSL. Vehicle on road 258' from departure end of runway, 559' from centerline, 15' AGL/1459' MSL. **Rwy 31,** Vehicle on road 465' from departure end of runway, 618' left of centerline, 15' AGL/1446' MSL. Trees beginning 1616' from departure end of runway, 580' right of centerline, up to 80' AGL/1519' MSL. Trees beginning 1110' from departure end of runway, 429' left of centerline, up to 80' AGL/1509' MSL.

JAMESTOWN, ND
JAMESTOWN RGNL (JMS)
AMDT 1 07242 (FAA)
NOTE: **Rwy 22,** antenna and tank beginning 2960' from departure end of runway, 1007' left of centerline, up to 150' AGL/1631' MSL. **Rwy 31,** multiple trees beginning 2129' from departure end of runway 47' right of centerline, up to 60' AGL/1560' MSL.

KINDRED, ND
HAMRY FIELD (K74)
ORIG 10042 (FAA)
NOTE: **Rwy 29,** tree 991' from DER, 367' left of centerline, 38' AGL/982' MSL. Tree 1073' from DER, 221' left of centerline, 38' AGL/982' MSL.

LANGDON, ND
ROBERTSON FIELD (D55)
ORIG 10154 (FAA)
TAKE-OFF MINMUMS: **Rwys 8, 26,** NA - Environmental.
NOTE: **Rwy 14,** vehicles on road beginning 479' to 684' from DER, from 238' to 413' left of centerline, up to 15' AGL/1627' MSL. **Rwy 32,** windsock 13' from DER, 416' right of centerline, 16' AGL/1619' MSL. Fence 24' from DER, 301' left of centerline, 5' AGL/1608' MSL. Fence 199' from DER, 293' left of centerline, 5' AGL/1608' MSL. Trees beginning 485' from DER 203' right of centerline, up to 30' AGL/1628' MSL. Trees beginning 1912' from DER, from 241' to 418' left of centerline, up to 78' AGL/ 1677' MSL.

LITCHFIELD, MN
LITCHFIELD MUNI (LJF)
AMDT 1 10266 (FAA)
DEPARTURE PROCEDURE: **Rwy 31,** climb heading 316° to 1700 before turning left.
NOTE: **Rwy 13,** trees beginning 11' from DER, 417' left and right of centerline, up to 90' AGL/1234' MSL. Trees beginning 1251' from DER, 830' left of centerline, up to 89' AGL/1228' MSL. **Rwy 31,** trees beginning 958' from DER, 73' left of centerline, up to 46' AGL/1185' MSL. Trees beginning 13' from DER, 370' right of centerline, up to 95' AGL/1234' MSL.

LITTLE FALLS, MN
LITTLE FALLS/MORRISON COUNTY CHARLES A. LINDBERGH FIELD (LXL)
AMDT 3 96172 (FAA)
TAKE-OFF MINIMUMS: **Rwy 13,** 300-1 or std. with a min. climb of 250' per NM to 1500. **Rwy 36,** 600-1½ or std. with a min. climb of 345' per NM to 1700.
DEPARTURE PROCEDURE: **Rwy 31**, climb to 1700 before turning.

LONG PRAIRIE, MN
TODD FIELD (14Y)
ORIG 08157 (FAA)
NOTE: **Rwy 16,** tree 273' from departure end of runway, 310' right of centerline, 100' AGL/1436' MSL. **Rwy 34,** tree 70' from departure end of runway, 100' right of centerline, 100' AGL/1439' MSL. Tree 122' from departure end of runway, 105' left of centerline, 100' AGL/1436' MSL. Tree 18' from departure end of runway, 106' right of centerline, 100' AGL/1433' MSL.

LUVERNE, MN
QUENTIN AANENSON FIELD (LYV)
ORIG 10154 (FAA)
NOTE: **Rwy 18,** tree 813' from DER, 578' left of centerline, 50' AGL/1469' MSL. Road plus vehicle 685' from DER, 574' right of centerline, 15' AGL/1454' MSL. Terrain 20' from DER, on centerline, 1429' MSL.
Rwy 36, transmission tower, 5752' from DER, 1036' right of centerline, 139' AGL/1581' MSL.

MANKATO, MN
MANKATO RGNL (MKT)
ORIG 09267 (FAA)
NOTE: **Rwy 4,** trees beginning 447' from DER, 408' right of centerline, up to 100' AGL/1078' MSL. Trees beginning 1996' from DER, 17' left of centerline, up to 100' AGL/1084' MSL. **Rwy 15,** trees beginning 1552' from DER, 719' left of centerline, up to 100' AGL/1088' MSL. **Rwy 22,** trees beginning 2370' from DER, 989' right of centerline, up to 100' AGL/1069' MSL. **Rwy 33,** trees beginning 2085' from DER, 780' right of centerline, up to 100' AGL/1077' MSL. Rising terrain 9' from DER, 65' right of centerline, up to 1029' MSL. Terrain beginning 82' from DER, 60' left of centerline, up to 1029' MSL.

MARSHALL, MN
SOUTHWEST MINNESOTA RGNL MARSHALL/ RYAN FIELD (MML)
AMDT 2 08101 (FAA)
TAKE-OFF MINIMUMS: **Rwy 20,** Std. w/ min. climb of 270' per NM to 2000, or 1000-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 20,** for climb in visual conditions, cross Marshall Airport at or above 2000 MSL before proceeding on course.
NOTE: **Rwy 12,** Pole 706' from departure end of runway, 671' right of centerline, 60' AGL/1212' MSL, pole 1580' from departure end of runway, 732' left of centerline, 70' AGL/1225' MSL, antenna 1496' from departure end of runway, 620' right of centerline, 64' AGL/1219' MSL, pole 1185' from departure end of runway, 540' right of centerline, 55' AGL/1210' MSL, tree 3564' from departure end of runway, 400' right of centerline, 110' AGL/1269' MSL, tree 2135' from departure end of runway, 113' left of centerline, 77' AGL/1232' MSL. **Rwy 30,** Vehicle on road 1' from departure end of runway, 435' left of centerline, 24' AGL/1200' MSL.

MILBANK, SD
MILBANK MUNI (1D1)
ORIG 08101 (FAA)
TAKE-OFF MINIMUMS: **Rwy 25,** Std. w/ a min. climb of 207' per NM to 1900, or 900-2½ for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 25,** For climb in visual conditions cross Milbank Muni airport at or abov e 1900 before proceeding on course.
NOTE: **Rwy 7,** trees beginning 1207' from departure end of runway, 387' left of centerline, up to 100' AGL/ 1219' MSL. Vehicle on road 829' from departure end of runway, 373' right of centerline, 15' AGL/ 1134' MSL. Building 322' from departure end of runway, 582' right of centerline, 25' AGL/ 1134' MSL. **Rwy 13,** trees beginning 1448' from departure end of runway, 394' right of centerline, up to 100' AGL/ 1219' MSL. Vehicle on road 218' from departure end of runway, 490' left of centerline, 15' AGL/ 1134' MSL. Building 78' from departure end of runway, 397' left of centerline, 25' AGL/ 1134' MSL. **Rwy 25,** tree 3584' from departure end of runway, 477' left of centerline, 100' AGL/ 1249' MSL. **Rwy 31,** tree 2992' from departure end of runway, 715' left of centerline, 100' AGL/ 1239' MSL.

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MILLER, SD

MILLER MUNI (MKA)
ORIG 08269 (FAA)

NOTE: **Rwy 15,** vehicle on road 769' from departure end of runway, 642' right of centerline, 15' AGL/1599' MSL. Snow removal equipment 206' from departure end of runway, 475' right of centerline, 21' AGL/1594' MSL. Tree 3903' from departure end of runway, 998' left of centerline, 100' AGL/1684' MSL. **Rwy 33,** vehicle on road 450' from departure end of runway, 560' left of centerline, 15' AGL/1584' MSL. Tree 762' from departure end of runway, 628' left of centerline, 100' AGL/1669' MSL.

MINNEAPOLIS, MN

AIRLAKE (LVN)
ORIG 10154 (FAA)

NOTE: **Rwy 12,** ground 198' from DER, 533' right of centerline, 0' AGL/963' MSL. Tree and vehicle on road, beginning 422' from DER, 379' right of centerline, up to 15' AGL/978' MSL. Tree 1291' from DER, 506' left of centerline, 62' AGL/1002' MSL. **Rwy 30,** ground 104' from DER, 479' left of centerline, 0' AGL/965' MSL. Tree, pole, and antenna on building beginning 171' from DER, 259' right of centerline, up to 50' AGL/1000' MSL. Tree, railroad, and antenna on building 486' from DER, 268' left of centerline, up to 41' AGL/1001' MSL. Trees and a building beginning 821' from DER, 30' right of centerline, up to 49' AGL/1009' MSL.

ANOKA COUNTY-BLAINE AIRPORT
(JANES FIELD) (ANE)
AMDT 5A 10126 (FAA)

TAKE-OFF MINIMUMS; **Rwy 9,** 300-1½ or std. w/ min. climb of 204' per NM to 1200, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1200' prior to DER. **Rwy 18,** 300-1 or std. w/ min. climb of 367' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 9,** climb heading 089° to 2200 before turning right. **Rwy 18,** climb heading 179° to 2600 before turning left. **Rwy 27,** climb heading 269° to 1700 before proceeding southeast bound.
Rwy 36, climb heading 359° to 1700 before proceeding southeast bound.

NOTE: **Rwy 9,** tank and multiple trees beginning 822' from DER, 619' right of centerline, up to 170' AGL/1082' MSL. Trees 2248' from DER, 966' left of centerline, 100' AGL/1009' MSL. **Rwy 18,** aircraft on taxiway 36' from DER, 481' right of centerline, up to 21' AGL/928' MSL. Multiple trees beginning 406' from DER, 287' left of centerline, up to 49' AGL/959' MSL. Tower 5016' from DER, 201' left of centerline, 120' AGL/1078' MSL.
Rwy 27, multiple trees beginning 7' from DER, 235' right of centerline, up to 83' AGL/983' MSL. Multiple trees beginning 558' from DER, 406' left of centerline, up to 57' AGL/957'MSL. **Rwy 36,** multiple trees beginning 86' from DER, 10' right of centerline, up to 87' AGL/987' MSL. Multiple trees beginning 1282' from DER, 53' left of centerline, up to 70' AGL/970' MSL.

MINNEAPOLIS, MN (CON'T)

CRYSTAL (MIC)
AMDT 2 81050 (FAA)

TAKE-OFF MINIMUMS: **Rwys 14L,14R,32L,32R,** 300-1. **Rwys 24L,24R,** 300-1 or std. with a min. climb of 215' per NM to 1000. **Rwys 6L, 6R,** 300-1 or std. with a min. climb of 285' per NM to 1000.

DEPARTURE PROCEDURE: **Rwys 6L,6R,14L,14R,** eastbound departures (050°-130°) climb runway heading to 2800 before turning.

FLYING CLOUD (FCM)
AMDT 4 08157 (FAA)

NOTE: **Rwy 10L,** multiple antenna's on hangar's beginning 270' from departure end of runway, 330' left of centerline, up to 26' AGL/932' MSL. Tree 682' from departure end of runway, 668' right of centerline, 26' AGL/932' MSL. **Rwy 10R,** multiple obstruction light on poles beginning 287' from departure end of runway, 345' right of centerline, up to 36' AGL/939' MSL. Hangar 150' from departure end of runway, 422' right of centerline, 21' AGL/920' MSL. Antenna on building, 536' from departure end of runway, 263' right of centerline, 14' AGL/913' MSL. **Rwy 18,** multiple trees beginning 338' from departure end of runway, 166' left of centerline, up to 62' AGL/961' MSL. Obstruction light on fence 176' from departure end of runway, 127' left of centerline, 10' AGL/910' MSL. Vehicle and road 198' from departure end of runway, 196' left of centerline, 15' AGL/918' MSL. Floodlight 148' from departure end of runway, 374' right of centerline, 38' AGL/938' MSL. Obstruction light on hangar 282' from departure end of runway, 317' right of centerline, 37' AGL/937' MSL. **Rwy 28R,** Hangar 259' from departure end of runway, 355' right of centerline, 18' AGL/931' MSL. **Rwy 36,** wind vane 923' from departure end of runway, 404' left of centerline, 61' AGL/960' MSL. Vent on building 943' from departure end of runway, 295' left of centerline, 44' AGL/943' MSL. Pole 714' from departure end of runway, 351' left of centerline, 33' AGL/932' MSL. Multiple trees beginning 504' from departure end of runway, 324' right of centerline, up to 67' AGL/966' MSL.

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MINNEAPOLIS, MN (CON'T)

MINNEAPOLIS-ST. PAUL INTL
(WOLD CHAMBERLAIN) (MSP)
AMDT 11 07130 (FAA)

TAKEOFF MINIMUMS: **Rwy 35,** std. with a min. climb of 219' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 043° to 2100 before turning left. **Rwy 30L,** climb heading 299° to 2100 before turning right. **Rwy 30R,** climb heading 299° to 2100 before turning right.
Rwy 35, climb via heading 348° to 2100 before turning left.

NOTE: **Rwy 4,** multiple trees beginning 800' from departure endof runway, 264' left of centerline, up to 75' AGL/921' MSL. Rod on building 2528' from departure end of runway, 1175' left of centerline, 78' AGL/922' MSL. Fence 803' from departure end of runway, 585' left of centerline, 15' AGL/860' MSL. Antenna on OL building 456' from departure end of runway, 319' left of centerline, 13' AGL/850' MSL. Light poles 1932' from departure end of runway, 718' left of centerline, 45' AGL/885' MSL. Stack 4535' from departure end of runway, 481' left of centerline, 139' AGL/949' MSL. **Rwy 12R,** multiple trees beginning 1477' from departure end of runway, 407' left of centerline, up to 86' AGL/851' MSL. Multiple trees beginning 1426' from departure end of runway, 124' right of centerline, up to 111' AGL/847' MSL. Light pole 1408' from departure end of runway, 746' right of centerline, 85' AGL/843' MSL. Radar RFLTR 983' from departure end of runway, 32' left of centerline, 15' AGL/829' MSL. Pipe on building, 826' from departure end of runway, 576' left of centerline, 10' AGL/825' MSL. Obstruction light on localizer 766' from departure end of runway, on centerline, 7' AGL/821' MSL. **Rwy 17,** antenna 1272' from departure end of runway, 562' right of centerline, 57' AGL/891' MSL. Pole 409' from departure end of runway, 530' right of centerline, 29' AGL/866' MSL. WDI on building 2619' from departure end of runway, 881' left of centerline, 97' AGL/918' MSL. Building 2619' from departure end of runway, 859' left of centerline, 84' AGL/905' MSL. Light 1176' from departure end of runway, 291' right of centerline, 11' AGL/875' MSL. Tree 2619' from departure end of runway, on centerline, 79' AGL/900' MSL. **Rwy 22,** tree 2906' from departure end of runway, 833' right of centerline, 94' AGL/934' MSL. Hopper 1717' from departure end of runway, 456' left of centerline, 48' AGL/888' MSL. **Rwy 30L,** multiple trees beginning 1113' from departure end of runway, 701' left of centerline, up to 80' AGL/919' MSL. Tree 1230' from departure end of runway, 633' right of centerline, 30' AGL/877' MSL. Ground 28' from departure end of runway, 490' right of centerline, 0' AGL/844' MSL. **Rwy 30R,** building 1056' from departure end of runway, 198' left of centerline, 13' AGL/853' MSL. Multiple trees beginning 3010' from departure end of runway, 334' left of centerline, up to 94' AGL/940' MSL. Light pole 1849' from departure end of runway, 698' right of centerline, 17' AGL/871' MSL. Fence 1327' from departure end of runway, 667' right of centerline, 8' AGL/857' MSL. Tree 3703' from departure end of runway, 350' right of centerline, 67' AGL/914' MSL. Rod on pole 3143' from departure end of runway, 47' right of centerline, 38' AGL/898' MSL. **Rwy 35,** tree 175' from departure end of runway, 398' right of centerline, 73' AGL/883' MSL. Multiple trees beginning 1989' from departure end of runway, 351' left of centerline, up to 65' AGL/902' MSL. Multiple buildings beginning 5.45 NM from departure end of runway, 1787' left of centerline, up to 811' AGL/1743' MSL.

MINOT, ND

MINOT INTL (MOT)
AMDT 3 06103 (FAA)

TAKE-OFF MINIMUMS: **Rwy 26,** 300-1½ or std. with a min. climb of 219' per NM to 2000.

DEPARTURE PROCEDURE: **Rwy 13,** climb via heading 128° to 2200 before turning right. **Rwy 26,** climb via heading 260° to 2300 before turning left.

NOTE: **Rwy 8,** tree 1801' from departure end of runway, 292' left of centerline, 56' AGL/1714' MSL. Tree 1459' from departure end of runway, 528' left of centerline, 47' AGL/1705' MSL. **Rwy 26,** tree 1750' from departure end of runway, 618' right of centerline, 71' AGL/1786' MSL. Tree 1829' from departure end of runway, 376' left of centerline, 65' AGL/1780' MSL. Light pole 1110' from departure end of runway, 610' left of centerline, 44' AGL/1759' MSL. Tank 1.1 NM from departure end of runway, 1810' right of centerline, 184' AGL/1899' MSL. Tree 1782' from departure end of runway, 273' right of centerline, 49' AGL/1764' MSL. Light pole 1294' from departure end of runway, 452' right of centerline, 29' AGL/1751' MSL. Tree 2019' from departure end of runway, 393' right of centerline, 54' AGL/1769' MSL. Building 1431' from departure end of runway, 301' right of centerline, 38' AGL/1753' MSL. Light pole 1418' from departure end of runway, 23' right of centerline, 36' AGL/1751' MSL.

MITCHELL, SD

MITCHELL MUNI (MHE)
AMDT 1 86240 (FAA)

DEPARTURE PROCEDURE: **Rwys 12, 17,** climb to 1800 before turning.

MOBRIDGE, SD

MOBRIDGE MUNI(MBG)
ORIG 88154 (FAA)

TAKE-OFF MINIMUMS: **RWY 35,** 300-1.

DEPARTURE PROCEDURE: **Rwys 12, 17, 30, 35,** climb runway heading to 2500 before turning on course.

MONTEVIDEO, MN

MONTEVIDEO-CHIPPEWA COUNTY (MVE)

TAKE-OFF MINIMUMS: **Rwy 21,** 400-1½.

DEPARTURE PROCEDURE: **Rwy 14,** climb runway heading to 1500 before turning.

MOOSE LAKE, MN

MOOSE LAKE CARLTON COUNTY (MZH)
ORIG 94006 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22,** 300-1.

MORRIS, MN

MORRIS MUNI-CHARLIE SCHMIDT FLD (MOX)
ORIG 08045 (FAA)

TAKE-OFF MINIMUMS: **Rwys 4, 22,** NA-Environmental.

NOTE: **Rwy 32,** Trees 2888' from departure end of runway, 1125' left of centerline, 100' AGL/1209' MSL.

OAKES, ND

OAKES MUNI (2D5)
ORIG 97142 (FAA)

TAKE-OFF MINIMUMS: **Rwy 30,** 300-1 or std. with a min. climb of 260' per NM to 1700.

OLIVIA, MN
OLIVIA RGNL (OVL)
AMDT 1 86044 (FAA)
TAKE-OFF MINIMUMS: **Rwy 11,** 300-1.

ORR, MN
ORR RGNL (ORB)
AMDT 1 80136 (FAA)
TAKE-OFF MINIMUMS: **Rwy 13,** 500-2 or std. with a min. climb of 260' per NM to 1900.

ORTONVILLE, MN
ORTONVILLE MUNI-MARTINSON FIELD (VVV)
ORIG 81274 (FAA)
TAKE-OFF MINIMUMS: **Rwy 16,** 300-1 or std. with a min. climb of 210' per NM to 1300.

OWATONNA, MN
OWATONNA DEGNER RGNL (OWA)
AMDT 2 97030 (FAA)
DEPARTURE PROCEDURE: **Rwy 12,** climb runway heading to 1500 before turning on course.

PEMBINA, ND
PEMBINA MUNI (PMB)
ORIG 85325 (FAA)
DEPARTURE PROCEDURE: **Rwy 33,** climb runway heading 3200 before turning left.

PERHAM, MN
PERHAM MUNI (16D)
ORIG 98113 (FAA)
TAKE-OFF MINIMUMS: **Rwy 12,** 500-2 or std. with a min. climb of 210' per NM to 2000. **Rwy 30,** 400-1 or std. with a min. climb of 270' per NM to 1800.
DEPARTURE PROCEDURE: **Rwy 12,** climb runway heading to 2000 before proceeding on course. **Rwy 30,** climb runway heading to 1800 before proceeding on course.

PIERRE, SD
PIERRE RGNL (PIR)
AMDT 2 85115 (FAA)
TAKE-OFF MINIMUMS: **Rwy 25,** 300-1.

PINE RIDGE, SD
PINE RIDGE (IEN)
ORIG 97226 (FAA)
TAKE-OFF MINIMUMS: **Rwy 12,** 300-1 or std. with a min. climb of 350' per NM to 3600. **Rwy 24,** 300-1 or std. with a min. climb of 220' per NM to 3500. **Rwy 30,** 300-1 or std. with a min. climb of 300' per NM to 3600.

PIPESTONE, MN
PIPESTONE MUNI (PQN)
ORIG 08045 (FAA)
TAKE-OFF MINIMUMS: **Rwys 9,27,** NA-Environmental.
NOTE: **Rwy 18,** Trees beginning 3811' from departure end of runway, 854' right of centerline, up to 100' AGL/ 1859' MSL.

PRESTON, MN
FILLMORE COUNTY (FKA)
ORIG 98113 (FAA)
TAKE-OFF MINIMUMS: **Rwys 11,29,** 300-1.

PRINCETON, MN
PRINCETON MUNI (PNM)
AMDT 1 05132 (FAA)
NOTE: **Rwy 15,** trees 982' from departure end of runway, 335' right of centerline, 50' AGL/1029' MSL. Trees 1449' from departure end of runway, 387' left of centerline, 50' AGL/1029' MSL. **Rwy 33,** barn 1159' from departure end of runway, 780' right of centerline, 50' AGL/1139' MSL, multiple trees, terrain, and road beginning 36' from departure end of runway, 84' right of centerline, up to 50' AGL/1045' MSL.

RAPID CITY, SD
RAPID CITY RGNL (RAP)
AMDT 6 07130 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb on heading between 255° clockwise to 210° from departure end of runway, or min. climb of 240' per NM to 8800 for all other courses. **Rwy 14,** climb on heading between 325° clockwise to 210° from departure end of runway, or min. climb of 245' per NM to 8900 for all other courses. **Rwy 23,** climb on heading between 210° counter clockwise to 055° from departure end of runway, or min. climb of 268' per NM to 8900 for all other courses. **Rwy 32,** climb on heading between 255° clockwise to 140° from departure end of runway, or min. climb of 242' per NM to 8800 for all other courses.
NOTE: **Rwy 5,** fence 133' from departure end of runway, 249' left of centerline, 10' AGL/3215' MSL. **Rwy 23,** hangar 201' from departure end of runway, 299' left of centerline, 24' AGL/3193' MSL. Fence 334' from departure end of runway, 256' right of centerline, 10' AGL/3184' MSL. **Rwy 32,** obstruction light 662' from departure end of runway, 243' left of centerline, 54' AGL/3213' MSL. Fence 1002' from departure end of runway, 751' right of centerline, 10' AGL/3233' MSL. Tower 1.9 NM from departure end of runway, 3503' right of centerline, 152' AGL/3520' MSL.

RAY S. MILLER AAF (KRYM)
CAMP RIPLEY, MN . . . . . AMDT 2, 09155
TAKE-OFF OBSTACLES: **Rwy 13**, Terrain 1270' MSL, 73' from DER, 8' left and right of centerline. Vehicle 15' AGL/1180' MSL, 765' from DER, 638' left of centerline. **Rwy 31,** Terrain 1273' MSL, 54' from DER, 9' left and right of centerline. Trees 64' AGL/1282' MSL, 798' from DER, 325' left and right of centerline.

RED WING, MN
RED WING RGNL (RGK)
AMDT 1 01137 (FAA)
DEPARTURE PROCEDURE: **Rwy 9,** 700-4 or std. with a min. climb of 270' per NM to 1700.

21 OCT 2010 to 18 NOV 2010

REDWOOD FALLS, MN

REDWOOD FALLS MUNI (RWF)
ORIG 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwys 5, 23,** NA-Environmental.

NOTE: **Rwy 12,** numerous buildings beginning 388' from DER, 376' right of centerline, up to 13' AGL/1052' MSL. Numerous fences beginning 6' from DER, 329' right of centerline, up to 13' AGL/1052' MSL. Tree 62' from DER, 444' left of centerline, 11' AGL/1040' MSL. **Rwy 30,** multiple trees beginning 865' from DER, 401' right of centerline, up to 100' AGL/1119' MSL. Vehicle on road 128' from DER, 306' right of centerline, 15' AGL/ 1027' MSL.

ROCHESTER, MN

ROCHESTER INTL (RST)
ORIG 09015 (FAA)

NOTE: **Rwy 2,** road 73' from departure end of runway, 385' right of centerline, 10' AGL/1292' MSL. Tree 4377' from departure end of runway, 1132' right of centerline, 100' AGL/1399' MSL. Road 268' from departure end of runway, 366' right of centerline, 10' AGL/1290' MSL. **Rwy 13,** tree 1498' from departure end of runway, 840' right of centerline, 44' AGL/1348' MSL. **Rwy 20,** pole 259' from departure end of runway, 407' right of centerilne, 23' AGL/1338' MSL. Roads beginning 1' from departure end of runway, 231' right of centerline, up to 10' AGL/1327' MSL. **Rwy 31,** tree 4760' from departure end of runway, 1103' left of centerline, 100' AGL/1389' MSL.

ROSEAU, MN

ROSEAU MUNI-RUDY BILLBERG FIELD (ROX)
ORIG 07242 (FAA)

NOTE: **Rwy 16,** building 258' from departure end of runway, 505' right of centerline, 24' AGL/1078' MSL. Tree 1582' from departure end of runway, 337' left of centerline, 47' AGL/1101' MSL. **Rwy 34,** truck on road 41' from departure end of runway, 511' left of centerline, 15' AGL/1069' MSL.

RUSHFORD, MN

RUSHFORD MUNI (55Y)
AMDT 1 96228 (FAA)

TAKE-OFF MINIMUMS: **Rwy 34,** 300-1 or std. with a min. climb of 300' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 16,** climb runway heading to 1700 before turning eastbound.

ST. CLOUD, MN

ST. CLOUD RGNL (STC)
ORIG 09239 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5,** 300-1¼ or std. w/ min. climb of 201' per NM to 1300 or alternatively, with standard take-off minimums and a normal 200'/NM climb gradient, take-off must occur no later than 1100' prior to DER.

NOTE: **Rwy 5,** tower 6201' from DER, 1416' left of centerline, 149' AGL/1179' MSL. Multiple trees beginning 17' from DER, 373' right of centerline, up to 59' AGL/1081' MSL. Multiple trees beginning 1752' from DER, 56' left of centerline, up to 80' AGL/1102' MSL. **Rwy 13,** tree 1654' from DER, 884' right of centerline, 61' AGL/1078' MSL. Tree 1265' from DER, 794' left of centerline, 42' AGL/1059' MSL. **Rwy 23,** trees 2109' from DER, 29' right of centerline, up to 61' AGL/1082' MSL. Trees 1725' from DER, 93' left of centerline, up to 55' AGL/1076' MSL. Fence 74' from DER, 216' left of centerline, 2' AGL, 1023' MSL. **Rwy 31,** terrain beginning 29' from DER, 50' right of centerline, up to 1083' MSL. Terrain beginning 107' from DER, 7' left of centerline, up to 1060' MSL.

ST. JAMES, MN

ST. JAMES MUNI (JYG)
ORIG 94342 (FAA)

DEPARTURE PROCEDURE: **Rwy 15,** climb to 1900 before turning eastbound.

ST. PAUL MN

LAKE ELMO (21D)
ORIG 80318 (FAA)

TAKE-OFF MINIMUMS: **Rwy 22,** 300-1 or std. with a min. climb of 225' per NM to 1100.

ST. PAUL DOWNTOWN HOLMAN FIELD (STP)
AMDT 7 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 9,** std. w/ min. climb of 346' per NM to 1500. **Rwy 13,** std. w/ min. climb of 266' per NM to 1500. **Rwy 14,** std. w/ min. climb of 216' per NM to 1500. **Rwy 27,** std. w/ min. climb of 436' per NM to 1500. **Rwy 31**, NA - obstacles. **Rwy 32,** std. w/ min. climb of 340' per NM to 3000.

DEPARTURE PROCEDURE: **Rwy 9,** climb heading 088° to 1500 before proceeding on course. **Rwy 13,** climb heading 125° to 1500 before proceeding on course.

Rwy 14, climb heading 143° to 1500 before proceeding on course. **Rwy 27,** climb heading 268° to 1700 before proceeding on course. **Rwy 32,** climb heading 323° to 1300 before proceeding on course.

NOTE: **Rwy 9,** multiple trees beginning 1265' from departure end of runway, 167' right of centerline, up to 75' AGL/1055' MSL. Multiple trees beginning 1.1 NM from departure end of runway, 124' left of centerline, up to 100' AGL/1099' MSL. Obstruction light tank 1571' from departure end of runway, 771' right of centerline, 50' AGL/811' MSL. Mobile crane 1163' from departure end of runway, 123' left of centerline, 50' AGL/ 758' MSL.

ST. PAUL DOWNTOWN HOLMAN FIELD (STP) (CON'T)

Rwy 13, Obstruction light stack 2695' from departure end of runway, 842' right of centerline, 50' AGL/820' MSL. Tree 1563' from departure end of runway, 25' right of centerline, 61' AGL/748' MSL. Multiple trees beginning 1004' from departure end of runway, 607' left of centerline, 50' AGL/767' MSL. Tower 1,725' from departure end of runway, 930' left of centerline, 47' AGL/753' MSL. Vent on building 3029' from departure end of runway, 629' right of centerline, 10' AGL/783' MSL. Multiple bushes beginning 194' from departure end of runway 88' left of centerline, 7'AGL/712' MSL. Stack 1,879' from departure end of runway, 25' left of centerline, 51' AGL/751' MSL. **Rwy 14,** multiple trees beginning 805' from departure end of runway, 2' right of centerline, up to 112' AGL/811' MSL. Multiple trees beginning 1205' from departure end of runway, 64' left of centerline, up to 80' AGL/770' MSL. Poles 2810' from departure end of runway 715' right of centerline, 91' AGL/778' MSL. **Rwy 27,** multiple trees beginning 803' from departure end of runway, 122' left of centerline, up to 100' AGL/994' MSL. Tree 783' from departure end of runway, 105' right of centerline, 25' AGL/725' MSL. Obstruction light antenna 996' from departure end of runway, 304' right of centerline, 67' AGL/ 767' MSL. Light pole 1328' from departure end of runway, 222' left of centerline, 50' AGL/747' MSL. Building 2049' from departure end of runway, 837' right of centerline, 57' AGL/761' MSL. Flagpole 2333' from departure end of runway, 199' left of centerline, 78' AGL/778' MSL. Stack 1.8 NM from departure end of runway, 635' left of centerline, 569' AGL/1279' MSL.
Rwy 32, road and vehicle 211' from departure end of runway, 482' left of centerline, 17' AGL/717' MSL. Railroad beginning 369' from departure end of runway, 329' left of centerline, up to 23' AGL/727' MSL. Pipe on DME 383' from departure end of runway, 269' right of centerline, 17' AGL/722' MSL. Tree 1152' from departure end of runway, 209' left of centerline, 44' AGL/744' MSL. Tree 1685' from departure end of runway, 277' right of centerline, 75' AGL/770' MSL. Sign 5668' from departure end of runway, 1924' left of centerline, 86' AGL/874' MSL. Trees 5614' from departure end of runway, 1796' right of centerline, 100' AGL/939' MSL. Building 5779' from departure end of runway, 1733' right of centerline, 72' AGL/910' MSL. Pole 1.0 NM from departure end of runway, 1835' right of centerline, 157' AGL/973' MSL. Building 1.1 NM from departure end of runway, 2170' left of centerline, 122' AGL/886' MSL. Multiple buildings beginning 1.1 NM from departure end of runway, 378' left of centerline, up to 142' AGL/918' MSL

SILVER BAY, MN

SILVER BAY MUNI (BFW)
ORIG 93035 (FAA)

TAKE-OFF MINIMUMS: **Rwys 7, 25,** 300-1.

SIOUX FALLS, SD

JOE FOSS FIELD (FSD)
AMDT 7 07242 (FAA)

TAKE-OFF MINIMUMS: **Rwy 15,** 200-1 or std. w/ min. climb of 404' per NM to 1700. **Rwy 33,** 200-1¼ or std. w/ min. climb of 343' per NM to1700.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 030° to 2300 before turning eastbound. **Rwy 9,** climb heading 098° to 2000, then left turn direct FSD VORTAC. **Rwy 15,** climb heading 150° to 2000, then right turn direct FSD VORTAC. **Rwy 21,** climb heading 210° to 2200 before turning eastbound. **Rwy 27,** climb heading 278° to 2100 before turning eastbound. **Rwy 33,** climb heading 330° to 2200 before turning eastbound.

NOTE: **Rwy 9,** antenna 2238' from departure end of runway, 919' right of centerline, 87' AGL/1506' MSL. Pole 1256' from departure end of runway, 23' left of centerline, 43' AGL/1464' MSL. Windsock 331' from departure end of runway, 582' right of centerline, 14' AGL/1433' MSL. **Rwy 15,** antenna 3056' from departure end of runway, 983' left of centerline 117' AGL/1576' MSL. Multiple trees beginning 1211' from departure end of runway, 471' left of centerline, up to 38' AGL/1477' MSL. Tower 3102' from departure end of runway, 972' left of centerline, 61' AGL/1520' MSL. Trees and pole beginning 1746' from departure end of runway, 316' right of centerline, up to 87' AGL/ 1516' MSL. **Rwy 21,** multiple trees beginning 428' from departure end of runway, 522' right of centerline, up to 75' AGL/1497' MSL. **Rwy 27,** multiple trees beginning 2528' from departure end of runway, 1027' left of centerline, up to 100' AGL/1509' MSL. **Rwy 33,** 2 lighted radio towers 3639' from departure end of runway, 894' left of centerline, 88' AGL/1585' MSL, multiple trees beginning 5370' from departure end of runway, 891' left of centerline, up to 175' AGL/1603' MSL, pole 5724' from departure end of runway, 1701' left of centerline, 45' AGL/1594' MSL.

SPEARFISH, SD

BLACK HILLS-CLYDE ICE FIELD (SPF)

TAKE-OFF MINIMUMS: **Rwys 3, 8, 21, 35,** 700-2 (NA at night.). **Rwy 13,** 900-2 or std. with a min. climb of 300' per NM to 5400. **Rwy 17,** NA. **Rwys 26, 31,** 700-2 or std. with a min. climb of 370' per NM to 4700.

DEPARTURE PROCEDURE: **Rwys 3, 8,** turn left. Climb to 6500, intercept the 046° bearing outbound from SPF NDB. Thence... **Rwy 13,** climb runway heading to 4300, then climbing left turn to 6500 via heading 360° to intercept the 046° bearing outbound from SPF NDB. Thence... **Rwys 21, 35,** turn right. Climb to 6500 intercept the 046° bearing outbound from SPF NDB. Thence... **Rwy 26,** climbing right turn to 6500 via heading 330°, intercept the 297° bearing outbound from SPF NDB. Thence... **Rwy 31,** after take-off, intercept 297° bearing outbound from SPF NDB. Climb to 6500. Thence... THENCE...Continue climb to enroute MEA's before proceeding on course.

STAPLES, MN

STAPLES MUNI (SAZ)
AMDT 2 87211 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** 400-2.

STURGIS, SD
STURGIS MUNI (49B)
ORIG 96284 (FAA)
DEPARTURE PROCEDURE: **Rwy 11,** climb runway heading to 6000, then direct RAP VORTAC.
Rwy 29, climb runway heading to 5000, then climbing right turn to 6000 direct RAP VORTAC.

THIEF RIVER FALLS, MN
THIEF RIVER FALLS RGNL (TVF)
ORIG 09071 (FAA)
NOTE: **Rwy 3,** trees beginning 3058' from DER, 678' right of centerline, up to 100' AGL/1229' MSL. **Rwy 13,** trees beginning 565' from DER, 372' left of centerline, up to 100' AGL/1214' MSL. Trees beginning 1337' from DER, 531' right of centerline, up to 100' AGL/1209' MSL. **Rwy 21,** trees beginning 214' from DER, 544' right of centerline, up to 100' AGL/1204' MSL. Trees beginning 2185' from DER, 33' left of centerline, up to 100' AGL/1209' MSL. **Rwy 31,** trees beginning 126' from DER, 410' right of centerline, up to 100' AGL/1214' MSL. Trees beginning 199' from DER, 413' left of centerline, up to 100' AGL/1209' MSL. Trees beginning 1204' from DER, 449' right of centerline, up to 100' AGL/1199' MSL. Trees beginning 1579' from DER, 495' left of centerline, up to 100' AGL/1214' MSL.

TIOGA, ND
TIOGA MUNI (D60)
ORIG 09239 (FAA)
TAKE-OFF MINIMUMS: **Rwys 3, 21,** NA-Environmental.
NOTE: **Rwy 12,** vehicle on road 1243' from DER, 78' left of centerline, 15' AGL/2304' MSL. Vehicle on road, tree and pole beginning 618' from DER, 50' right of centerline, up to 100' AGL/2419' MSL. Ground 21' from DER, 481' right of centerline, 2272' MSL. **Rwy 30,** vehicle on road 1' from DER, 144' left of centerline, 15' AGL/2256' MSL.

TOWER, MN
TOWER MUNI (12D)
ORIG 09127 (FAA)
TAKE-OFF MINIMUMS: **Rwy 8,** NA - Obstacles.
NOTE: **Rwy 26,** tree 2315' from DER, 700' right of centerline, 100' AGL/1479' MSL.

VALLEY CITY, ND
BARNES COUNTY MUNI (BAC)
ORIG 10098 (FAA)
NOTE: **Rwy 13,** vehicle on road, 111' from DER, 356' right of centerline, 15' AGL/1396' MSL. Trees beginning 644' from DER, 242' right of centerline, up to 40' AGL/1421' MSL. **Rwy 31,** terrain beginning 32' from DER, 20' right of centerline, up to 1424' MSL. Vehicle on road 38' from DER, 285' right of centerline, 15' AGL/1418' MSL. Fence 71' from DER, 292' left of centerline, 4' AGL/1407' MSL. Terrain beginning 120' from DER, 125' left of centerline, up to 1447' MSL. Fence 198' from DER, 299' right of centerline, 4' AGL/1408' MSL. Trees beginning 365' from DER, 10' left of centerline, up to 40' AGL/1457' MSL. Tree 545' from DER, 607' right of centerline, 16' AGL/1436' MSL.

VERMILLION, SD
HAROLD DAVIDSON FIELD (VMR)
AMDT 1 09239 (FAA)
NOTE: **Rwy 12,** road 1' from DER, 200' right of centerline, up to 15' AGL/1156' MSL. Multiple trees beginning 541' from DER, 366' right of centerline, up to 62' AGL/1202' MSL. **Rwy 30,** road 79' from DER 342' left of centerline 15' AGL/1155' MSL. Road 200' from DER, 450' right of centerline, 15' AGL/1160' MSL. Fence 199' from DER, 347' left of centerline, 6' AGL/1150' MSL.

WAHPETON, ND
HARRY STERN (BWP)
ORIG 93259 (FAA)
TAKE-OFF MINIMUMS: **Rwy 3**, 300-1.

WARREN, MN
WARREN MUNI (D37)
ORIG 02108 (FAA)
DEPARTURE PROCEDURE: **Rwy 30,** climb runway heading to 1400 before turning on course.

WARROAD, MN
WARROAD INTL MEMORIAL (RRT)
ORIG 08101 (FAA)
TAKE-OFF MINIMUMS: **Rwys 4, 22,** NA-Environmental.

WASECA, MN
WASECA MUNI (ACQ)
ORIG 09015 (FAA)
NOTE: **Rwy 15,** tree 560' from departure end of runway, 560' right of centerline, 100' AGL/1239' MSL. Terrain beginning 172' from departure end of runway, on centerline, up to 1149' MSL. **Rwy 33,** tree 5042' from departure end of runway, 1533' right of centerline, 100' AGL/1259' MSL.

WATERTOWN, SD
WATERTOWN RGNL (ATY)
ORIG 07242 (FAA)
NOTE: **Rwy 12,** tree 2015' from departure end of runway, 328' right of centerline, 100' AGL/1783' MSL. **Rwy 30,** trees 2149' from departure end of runway, 10' right of centerline, 51' AGL/1810' MSL. Tree 2200' from departure end of runway, 441' left of centerline, 70' AGL/1810' MSL. Tree 2082' from departure end of runway, 121' right of centerline, 55' AGL/1806' MSL.

WATFORD CITY, ND
WATFORD CITY MUNI (S25)
AMDT 1 10154 (FAA)
TAKE-OFF MINIMUMS: **Rwy 12,** 400-1¼ or std. with a min. climb of 462' per NM to 2600. **Rwys 18, 36,** NA-Environmental.
NOTE: **Rwy 12,** tree 5528' from DER, 1819' right of centerline, up to 100' AGL/2439' MSL. Vehicle on road, trees, and terrain beginning 186' from DER, 62' right of centerline, up to 100' AGL/2258' MSL. Vehicle on road, fence, and terrain beginning 90' from DER, 43' left of centerline, up to 27' AGL/2167' MSL.
Rwy 30, trees and buildings beginning 672' from DER, 119' right of centerline, up to 41' AGL/2101' MSL. Vehicle on road, light and trees beginning 199' from DER, 128' left of centerline, up to 59' AGL/2119' MSL.

WHEATON, MN

WHEATON MUNI (ETH)
AMDT 1 92177 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** 300-1. **Rwys 4, 22,** NA.

WILLISTON, ND

SLOULIN FIELD INTL (ISN)
AMDT 4 10210 (FAA)

TAKE-OFF MINIMUMS: **Rwy 29,** 400-2¼ or std. with a min. climb of 359' per NM to 2200.

DEPARTURE PROCEDURE: **Rwy 11,** climb heading 115° to 2400 before turning left.

NOTE: **Rwy 2,** trees 1212' from DER, 398' left of centerline, up to 100' AGL/2019' MSL. **Rwy 11,** trees 831' from DER, 686' right of centerline, up to 100' AGL/1999' MSL. **Rwy 20,** trees 610' from DER, 450' right of centerline, up to 100' AGL/2019' MSL. Trees 1204' from DER, 128' left of centerline, up to 100' AGL/2019' MSL. Poles beginning from DER, 61' right of centerline, up to 44' AGL/1954' MSL. Building 1811' from DER, 371' right of centerline, 65' AGL/1980' MSL. **Rwy 29,** terrain beginning 639' from DER, 179' left of centerline, up to 2150' MSL. Terrain beginning 645' from DER, 305' right of centerline, up to 2103' MSL. Fence 1341' from DER, 210' right of centerline, 10' AGL/2021' MSL. Fence beginning 966' from DER, 250' left of centerline, up to 10' AGL/2029' MSL. Obstruction light on LOC 999' from DER, on centerline, 5' AGL/2014' MSL. Antenna on building 1000' from DER, 270' right of centerline, 29' AGL/2018' MSL. CHY on building 1165' from DER, 791' right of centerline, 29' AGL/2040' MSL. Building 2345' from DER, 519' left of centerline, 29' AGL/2066' MSL. T-L tower 3480' from DER, 237' right of centerline, 77' AGL/2137' MSL. Obstruction light pole 3478' from DER, 247' right of centerline, 82' AGL/2137' MSL. Rod on obstruction light pole 3692' from DER, 392' left of centerline, 68' AGL/2147' MSL. T-L tower 3700' from DER, 403' left of centerline, 82' AGL/2147' MSL. Tree 1.2 NM from DER, 1557' right of centerline, 27' AGL/2186' MSL. Tree 1.9 NM from DER, 2091' right of centerline, 100' AGL/2309' MSL.

WILLMAR, MN

WILLMAR MUNI-JOHN L. RICE FIELD (BDH)
ORIG 06327 (FAA)

NOTE: **Rwy 31,** tree 1338' from departure end of runway, 740' left of centerline, 67' AGL/1193' MSL.

WINNER, SD

WINNER RGNL (ICR)
AMDT 3 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwys 3, 21,** NA-Environmental.

WINONA, MN

WINONA MUNI-MAX CONRAD FIELD (ONA)
AMDT 3 96228 (FAA)

TAKE-OFF MINIMUMS: **Rwy 12,** 300-1 or std. with a min. climb of 320' per NM to 800. **Rwy 17,** 600-1 or std. with a min. climb of 500' per NM to 1300. **Rwy 30,** 500-1 or std. with a min. climb of 500' per NM to 1200. **Rwy 35,** 700-1 or std. with a min. climb of 390' per NM to 1500.

DEPARTURE PROCEDURE: **Rwy 12,** climb to 1900 via ONA R-110 before turning. **Rwys 17, 30, 35,** climb runway heading to 1900 before turning.

WORTHINGTON, MN

WORTHINGTON MUNI (OTG)
AMDT 2 88154 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17,** 300-1.

DEPARTURE PROCEDURE: **Rwys 11, 17, 29, 35,** when weather is below 800-1 climb runway heading to 2400 before turning.

YANKTON, SD

CHAN GURNEY MUNI (YKN)
AMDT 2 85003 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31,** 300-1.

DEPARTURE PROCEDURE: **Rwys 1, 13, 19, 31,** climb runway heading to 2400 before turning.

ABERDEEN RGNL (ABR) 2 E UTC−6(−5DT) N45°26.94′ W98°25.31′

TWIN CITIES
H–2I, L–14G
IAP

1302 B S4 **FUEL** 100LL, JET A, MOGAS OX 1 Class I, ARFF Index A NOTAM FILE ABR

RWY 13–31: H6901X100 (CONC–GRVD) S–99, D–150, 2S–175, 2D–250 HIRL

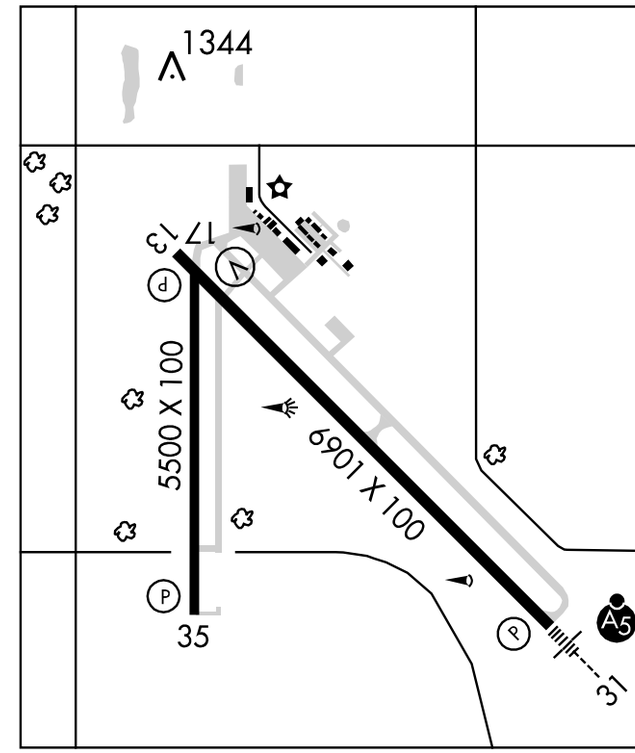
RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 52′.

RWY 31: MALSR. PAPI(P4L)—GA 3.0° TCH 68′.

RWY 17–35: H5500X100 (ASPH–PFC) S–60, D–75, 2S–95, 2D–140 MIRL

RWY 17: REIL. PAPI(P4R)—GA 3.0° TCH 37′.

RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 38′.



RUNWAY DECLARED DISTANCE INFORMATION

RWY 13:	TORA–6901	TODA–6901	ASDA–6901	LDA–6901
RWY 17:	TORA–5500	TODA–5500	ASDA–5500	LDA–5500
RWY 31:	TORA–6901	TODA–6901	ASDA–6901	LDA–6901
RWY 35:	TORA–5500	TODA–5500	ASDA–5500	LDA–5500

AIRPORT REMARKS: Attended 0930–0500Z‡. Rwy 13 and Rwy 17 apch ends are closely aligned. Verify correct rwy and compass heading prior to dep. PPR for unscheduled air carrier ops with more than 30 passenger seats call arpt manager 605–626–7020. After hours call 605–626–7068. Gulls and Geese on and invof arpt Mar–Dec. MIRL Rwy 17–35 and HIRL Rwy 13–31 preset on low ints SS–0600Z‡, to increase ints and ACTIVATE REIL Rwy 13, Rwy 17, Rwy 35 and MALSR Rwy 31—CTAF.

WEATHER DATA SOURCES: ASOS 125.875 (605) 229–4512.

COMMUNICATIONS: CTAF 122.7 **UNICOM** 122.95

RCO 122.4 122.1R 113.0T (HURON RADIO)

MINNEAPOLIS CENTER APP/DEP CON 120.6

RADIO AIDS TO NAVIGATION: NOTAM FILE ABR.

(H) VOR/DME 113.0 ABR Chan 77 N45°25.04′ W98°22.12′ 303° 2.9 NM to fld. 1301/7E.

RENEY NDB (LOM) 203 AB N45°23.16′ W98°19.70′ 307° 5.4 NM to fld.

ILS/DME 109.9 I–ABR Chan 36 Rwy 31 Class IE. LOM RENEY NDB, BC unusable beyond 10 NM below 3500′; Unusable beyond 15 NM.

ARLINGTON MUNI (3A9) 2 N UTC−6(−5DT) N44°23.66′ W97°07.39′

OMAHA

1818 B TPA—2618(800) NOTAM FILE HON

RWY 14–32: 3000X250 (TURF) LIRL

RWY 14: Trees. **RWY 32:** Trees.

RWY 04–22: 2400X250 (TURF)

RWY 04: Trees. **RWY 22:** Trees.

AIRPORT REMARKS: Unattended. Arpt CLSD Nov 1–Apr 1. Waterfowl on and invof arpt. Rwy 04–22 and Rwy 14–32 marked with yellow metal A–frame markers.

COMMUNICATIONS: CTAF 122.9

BEADY N44°26.63′ W98°20.21′ NOTAM FILE HON.

NDB (LOM) 302 HO 120° 5.8 NM to Huron Rgnl.

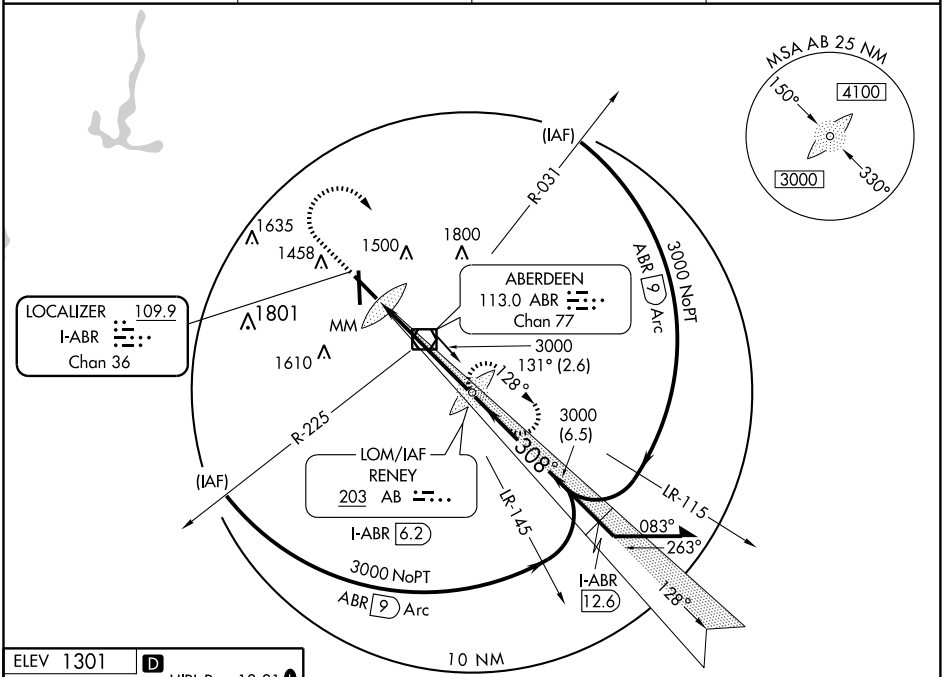
LOC/DME I-ABR	APP CRS	Rwy ldg	6901
109.9	308°	TDZE	1300
Chan 36		Apt Elev	1301

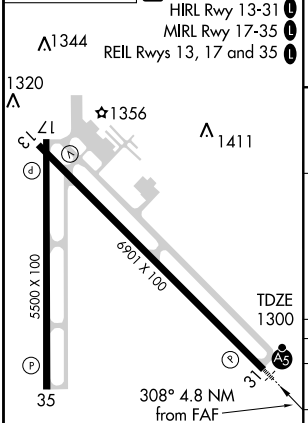
ILS RWY 31
ABERDEEN RGNL (ABR)

MALSR

MISSED APPROACH: Climb to 3000 then right turn direct RENEY LOM and hold.

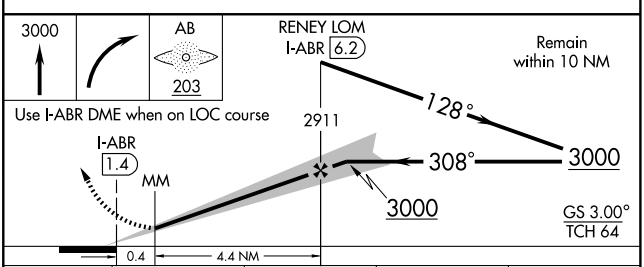
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95





FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

ADF or DME REQUIRED



CATEGORY	A	B	C	D
S-ILS 31	1500-½ 200 (200-½)			
S-LOC 31	1660-½ 360 (400-½)			1660-¾ 360 (400-¾)
CIRCLING	1760-1 459 (500-1)		1760-1½ 459 (500-1½)	1860-2 559 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

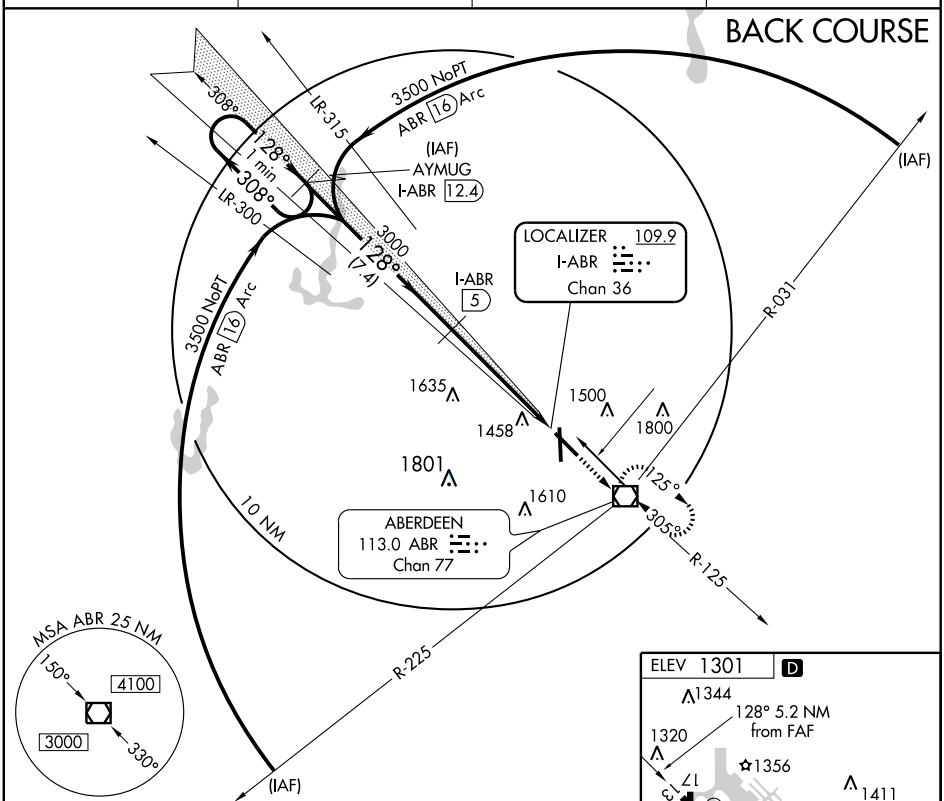
LOC/DME I-ABR	APP CRS	Rwy ldg	6901
109.9	128°	TDZE	1301
Chan 36		Apt Elev	1301

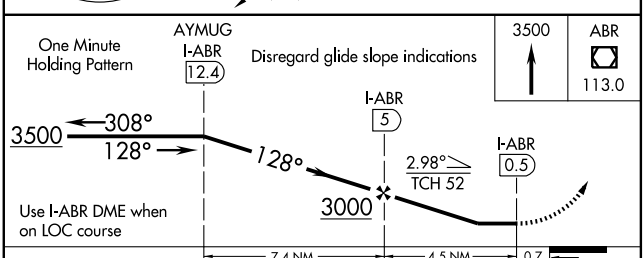
LOC/DME BC RWY 13
ABERDEEN RGNL (ABR)

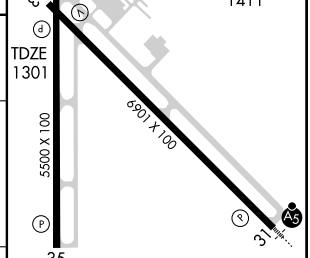
NA

MISSED APPROACH: Climb to 3500 direct ABR VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95







HIRL Rwy 13-31 L
MIRL Rwy 17-35 L
REIL Rwys 13, 17 and 35 L

CATEGORY	A	B	C	D
S-13	1760-1	459 (500-1)	1760-1¼ 459 (500-1¼)	1760-1½ 459 (500-1½)
CIRCLING	1760-1	459 (500-1)	1760-1½ 459 (500-1½)	1860-2 559 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

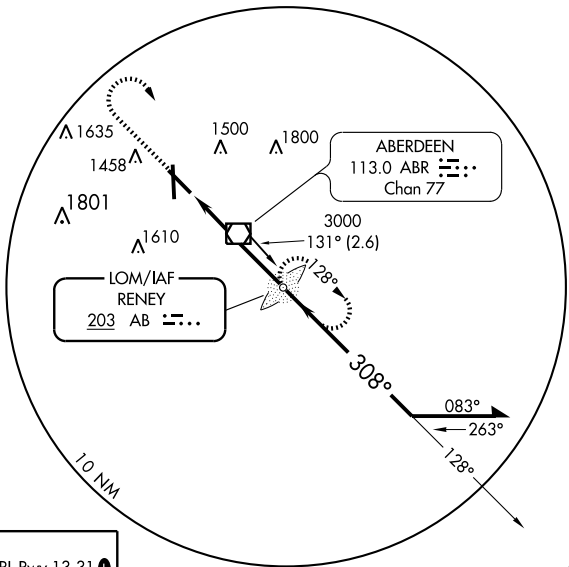
LOM AB	APP CRS	Rwy ldg	6901
203	308°	TDZE	1300
		Apt Elev	1301

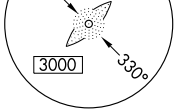
NDB RWY 31
ABERDEEN RGNL (ABR)

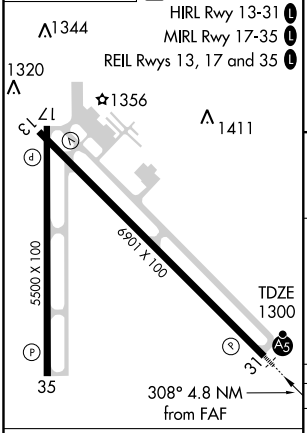
MALSR

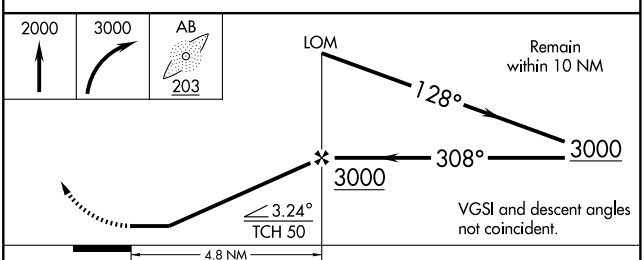
MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct AB LOM and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95









FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

CATEGORY	A	B	C	D
S-31	1820-¾	520 (600-¾)	1820-1 520 (600-1)	1820-1½ 520 (600-1½)
CIRCLING	1820-1	519 (600-1)	1820-1½ 519 (600-1½)	1860-2 559 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

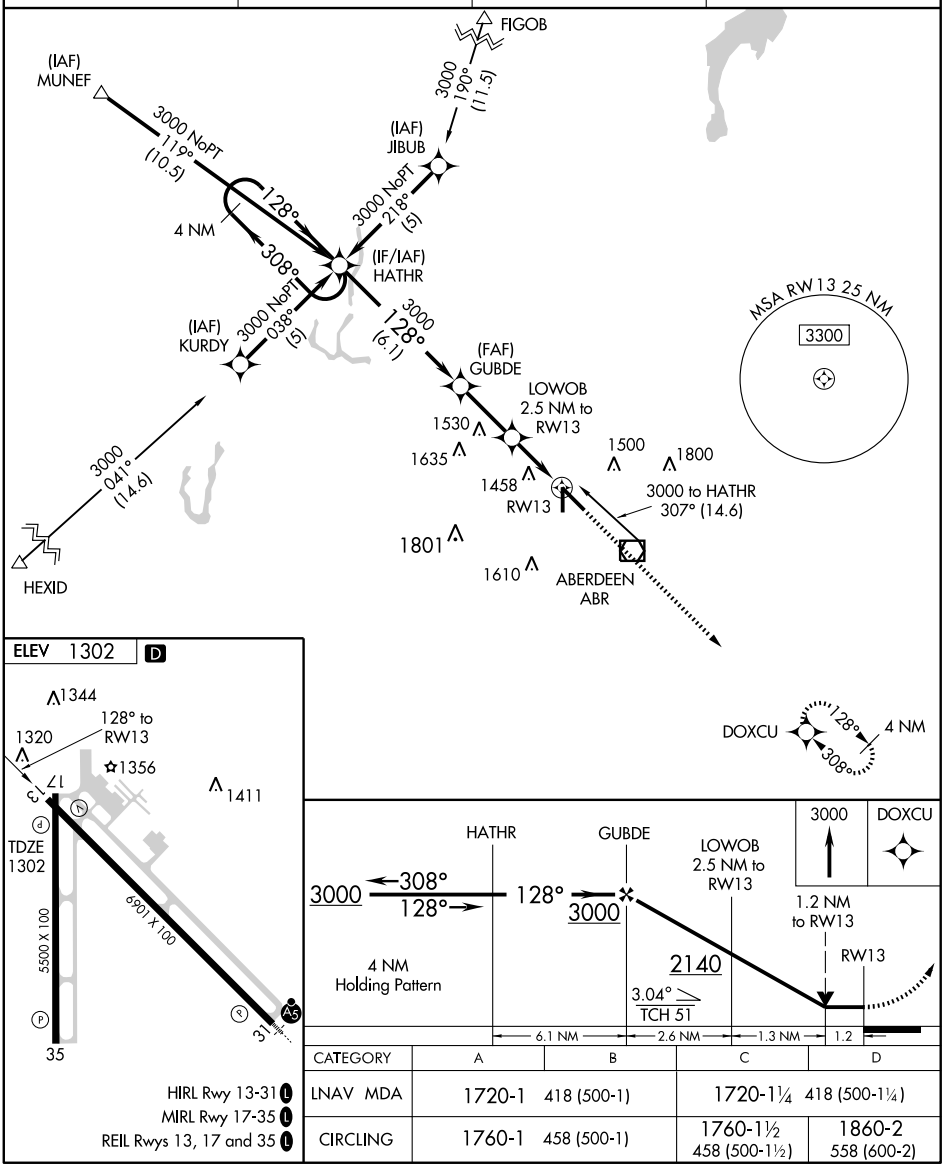
APP CRS	Rwy ldg	6901
128°	TDZE	1302
	Apt Elev	1302

RNAV (GPS) RWY 13
ABERDEEN RGNL (ABR)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA when using Watertown altimeter setting. When local altimeter setting not received use Watertown altimeter setting and increase all MDA 220 feet, increase LNAV Cat C visibility ½ mile, Cat D visibility ¾ mile and Circling Cats C and D visibility ½ mile.

MISSED APPROACH: Climb to 3000 direct DOXCU and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95



HIRL Rwy 13-31 L
MIRL Rwy 17-35 L
REIL Rwys 13, 17 and 35 L

CATEGORY	A	B	C	D
LNAV MDA	1720-1 418 (500-1)		1720-1¼ 418 (500-1¼)	
CIRCLING	1760-1 458 (500-1)		1760-1½ 458 (500-1½)	1860-2 558 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH 42914 W31A	APP CRS 308°	Rwy ldg 6901 TDZE 1301 Apt Elev 1302

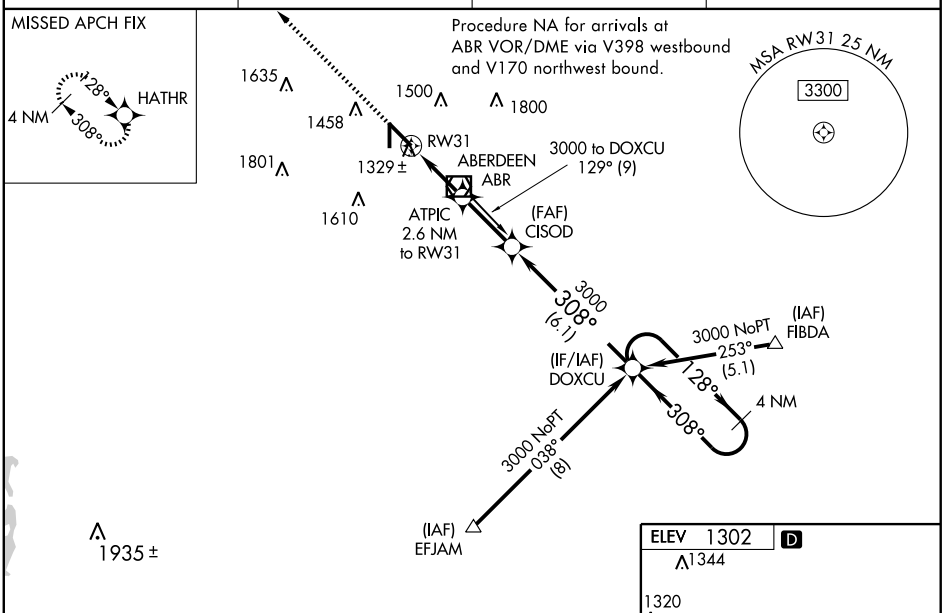
RNAV (GPS) RWY 31
ABERDEEN RGNL (ABR)

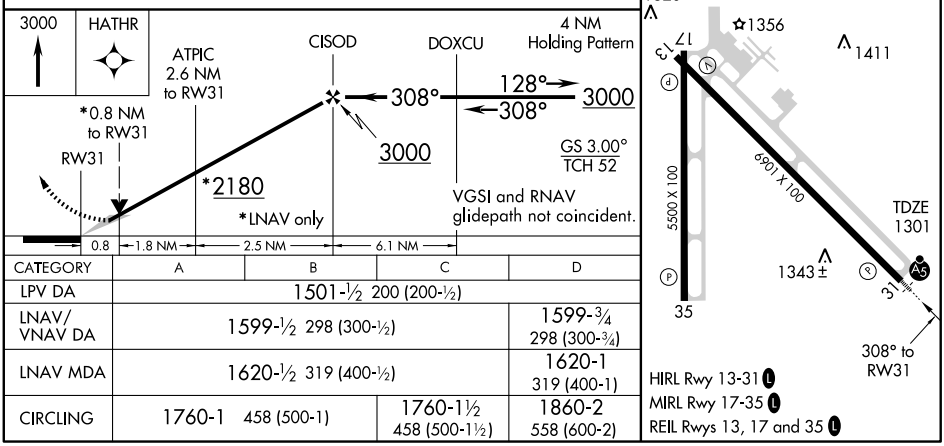
Inoperative table does not apply to LNAV Cat D visibility. For inoperative MALSR, increase LNAV/VNAV Cat D visibility to 1. Baro-VNAV NA when using Watertown altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. VDP NA when using Watertown altimeter setting. For inoperative MALSR when using Watertown altimeter setting increase LPV all Cats visibility to 1½ . When local altimeter setting not received, use Watertown altimeter setting and increase all DA 207 feet, all MDA 220 feet, LPV all Cats visibility ¼ mile, LNAV/VNAV Cats A, B and C visibility ¾ mile, Cat D visibility ½ mile, LNAV Cat C visibility ½ mile, Cat D visibility ¼ mile and Circling Cats C and D visibility ½ mile.

MALSR

MISSED APPROACH: Climb to 3000 direct HATHR and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95





CATEGORY	A	B	C	D
LPV DA	1501-½ 200 (200-½)			
LNAV/ VNAV DA	1599-½ 298 (300-½)			1599-¾ 298 (300-¾)
LNAV MDA	1620-½ 319 (400-½)			1620-1 319 (400-1)
CIRCLING	1760-1 458 (500-1)		1760-1½ 458 (500-1½)	1860-2 558 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH 65800 W35A	APP CRS 353°	Rwy ldg 5500 TDZE 1301 Apt Elev 1302

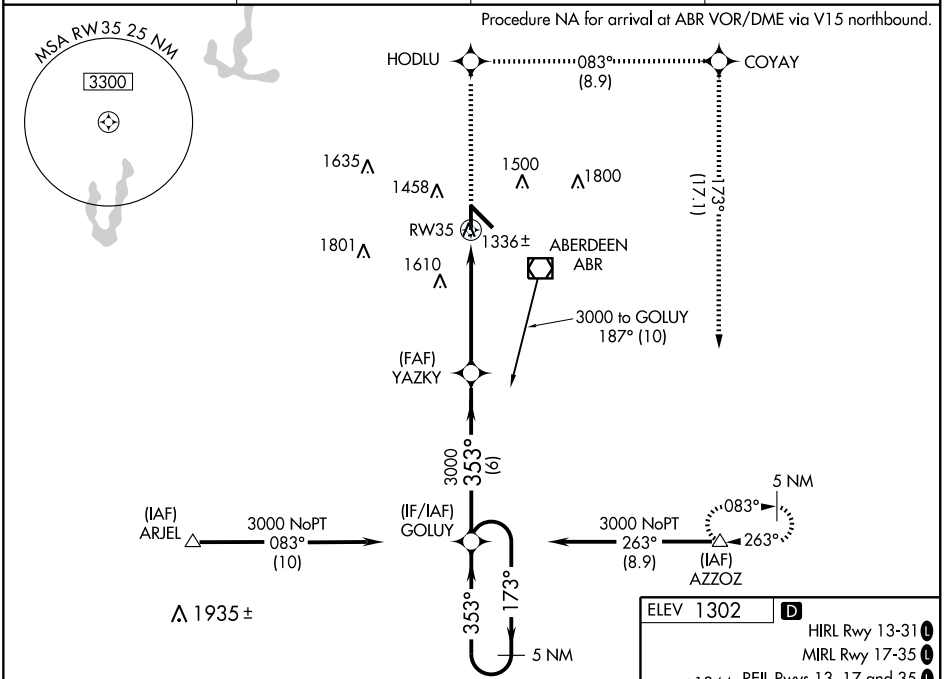
RNAV (GPS) RWY 35
ABERDEEN RGNL (ABR)

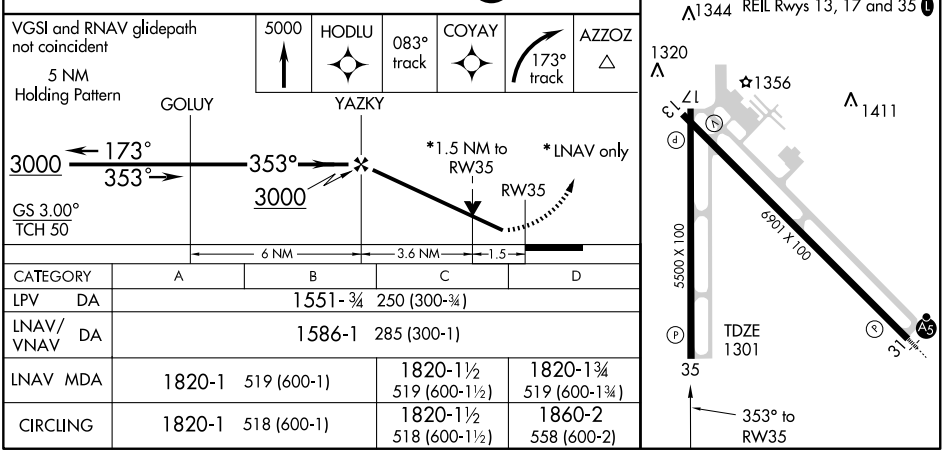
If local altimeter setting not received, use Watertown Rgnl altimeter setting and increase all DAs/MDAs 220 feet.
Baro-VNAV and VDP NA when using Watertown Rgnl altimeter setting. DME/DME RNP -0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (115°F).

MISSED APPROACH: Climb to 5000 direct HODLU and via 083° track to COYAY and right turn via 173° track to AZZOZ and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95

Procedure NA for arrival at ABR VOR/DME via V15 northbound.





CATEGORY	A	B	C	D
LPV DA	1551-¾ 250 (300-¾)			
LNAV/VNAV DA	1586-1 285 (300-1)			
LNAV MDA	1820-1 519 (600-1)		1820-1½ 519 (600-1½)	1820-1¾ 519 (600-1¾)
CIRCLING	1820-1 518 (600-1)		1820-1½ 518 (600-1½)	1860-2 558 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

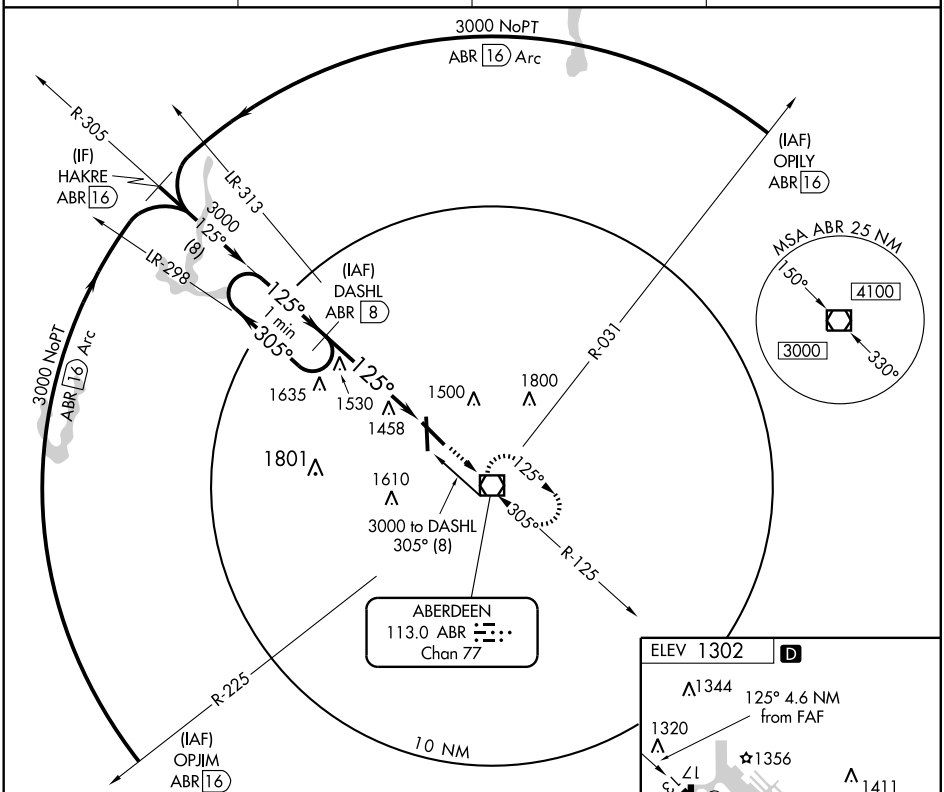
VOR/DME ABR	APP CRS	Rwy ldg	6901
113.0	125°	TDZE	1302
Chan 77		Apt Elev	1302

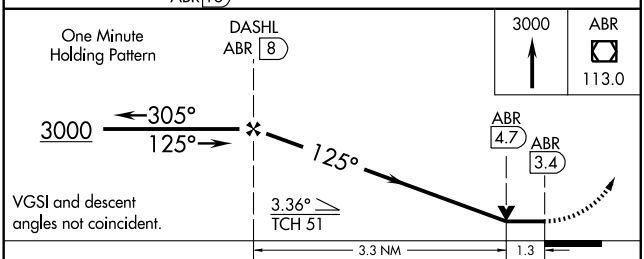
VOR/DME RWY 13
ABERDEEN RGNL(ABR)

Visibility reduction by helicopters NA. When local altimeter setting not received, use Watertown altimeter setting and increase all MDA 220 feet, increase S-13 Cats C and D visibility ¾ mile and Circling Cats C and D visibility ½ mile. VDP NA when using Watertown altimeter setting.

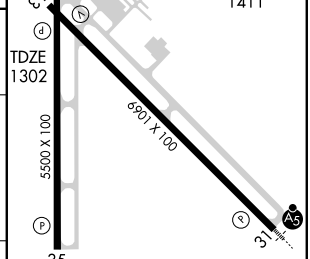
MISSED APPROACH: Climb to 3000 direct ABR VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95





CATEGORY	A	B	C	D
S-13	1780-1	478 (500-1)	1780-1¼ 478 (500-1¼)	1780-1½ 478 (500-1½)
CIRCLING	1780-1	478 (500-1)	1780-1½ 478 (500-1½)	1860-2 558 (600-2)



HIRL Rwy 13-31 L
MIRL Rwy 17-35 L
REIL Rwys 13, 17 and 35 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VOR RWY 31
ABERDEEN RGNL (ABR)

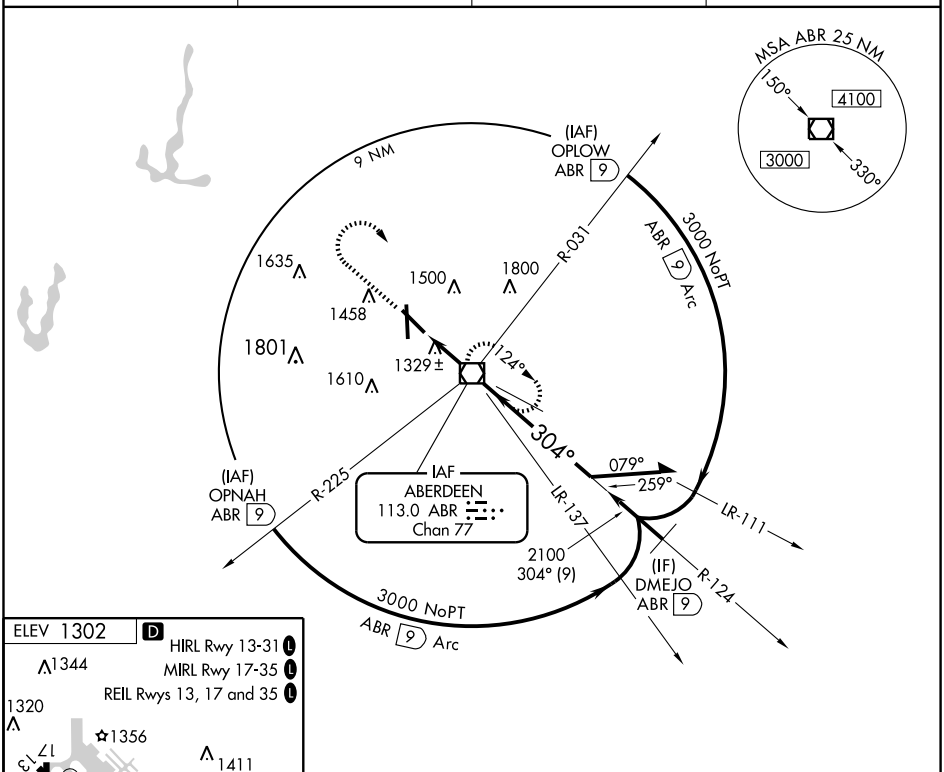
VOR/DME ABR	APP CRS	Rwy ldg	6901
113.0	304°	TDZE	1301
Chan 77		Apt Elev	1302

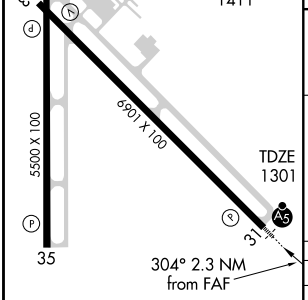
For inoperative MALSR, increase S-31 Cat D visibility to 1¼.
When local altimeter setting not received, use Watertown altimeter setting and increase all MDA 220 feet, increase S-31 Cat C visibility ½ mile, Cat D visibility ¼ mile, and Circling Cats C and D ½ mile.
VDP NA when using Watertown altimeter setting.

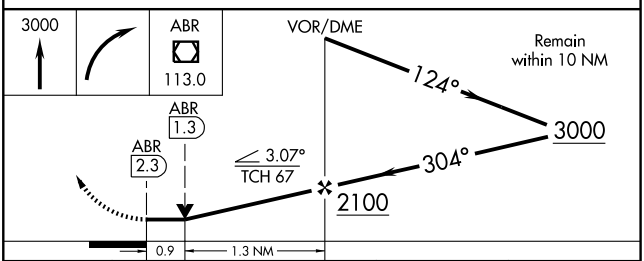
MALSR

MISSED APPROACH: Climb to 3000 then right turn direct ABR VOR/DME and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
125.875	120.6 371.9	122.7 L	122.95







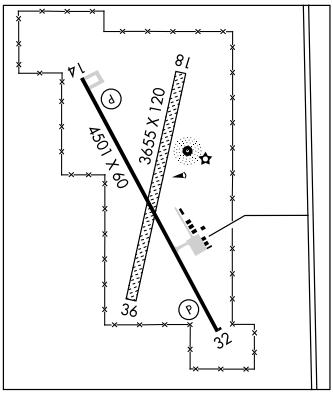
FAF to MAP 2.3 NM					
Knots	60	90	120	150	180
Min:Sec	2:18	1:32	1:09	0:55	0:46

CATEGORY	A	B	C	D
S-31	1660-½ 359 (400-½)			1660-1 359 (400-1)
CIRCLING	1760-1 458 (500-1)		1760-1½ 458 (500-1½)	1860-2 558 (600-2)

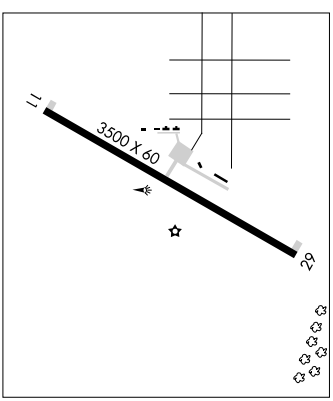
NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

BELLE FOURCHE MUNI (EFC) 4 N UTC−7(−6DT) N44°44.08′ W103°51.71′ **BILLINGS**
3191 B S4 **FUEL** 100LL, NOTAM FILE EFC **L–12F, 13E**
RWY 14–32: H4501X60 (ASPH) S–12.5 MIRL **IAP**
RWY 14: PAPI(P4L)—GA 3.0° TCH 41′.
RWY 32: PAPI(P4L)—GA 3.0° TCH 32′.
RWY 18–36: 3655X120 (TURF)
AIRPORT REMARKS: Attended 1500–0100Z‡. Ultralights and glider ops on and invof arpt. Waterfowl on and invof arpt. Rwy 18 marked with white and black metal A–frames. Rwy 36 marked with white and black metal A–frames. ACTIVATE MIRL Rwy 14–32—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
DENVER CENTER APP/DEP CON 127.95
RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 309° 58.4 NM to fld. 3160/13E.
NDB (MHW) 269 EFC N44°44.16′ W103°51.54′ at fld. NOTAM FILE EFC. NDB OTS indef.



BISON MUNI (6V5) 0 SW UTC−7(−6DT) N45°31.12′ W102°28.03′ **BILLINGS**
2785 B **FUEL** 100LL NOTAM FILE HON **L–14F**
RWY 11–29: H3500X60 (ASPH) S –12.5 MIRL
RWY 29: Trees.
AIRPORT REMARKS: Unattended. For fuel call 605–244–5677/7143/5423. Wildlife on and invof arpt. ACTIVATE MIRL Rwy 11–29—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE DIK.
DICKINSON (H) VORTACW 112.9 DIK Chan 76 N46°51.60′ W102°46.41′ 157° 81.5 NM to fld. 2520/14E. **HIWAS.**



BLACK HILLS–CLYDE ICE FLD (See SPEARFISH)

BOB WILEY FLD (See WINNER)

BOWDLE MUNI (5P3) 1 SW UTC−6(−5DT) N45°26.37′ W99°40.51′ **TWIN CITIES**
1967 B NOTAM FILE HON
RWY 13–31: 3600X150 (TURF) LIRL
RWY 31: Road.
AIRPORT REMARKS: Unattended. Arpt CLOSED SS–SR. Arpt CLOSED Nov 1–Apr 15. For field conditions call arpt manager 605–285–6158/6350. Wildlife on and invof arpt.Rwy 13–31 marked with yellow and black metal A-frame markers. Rwy 13–31 Daylight use only, LIRL OTS indefly. Rotating beacon OTS indef. ACTIVATE LIRL Rwy 13–31—CTAF.
COMMUNICATIONS: CTAF 122.9

APP CRS	Rwy ldg	4501
321°	TDZE	3179
	Apt Elev	3190

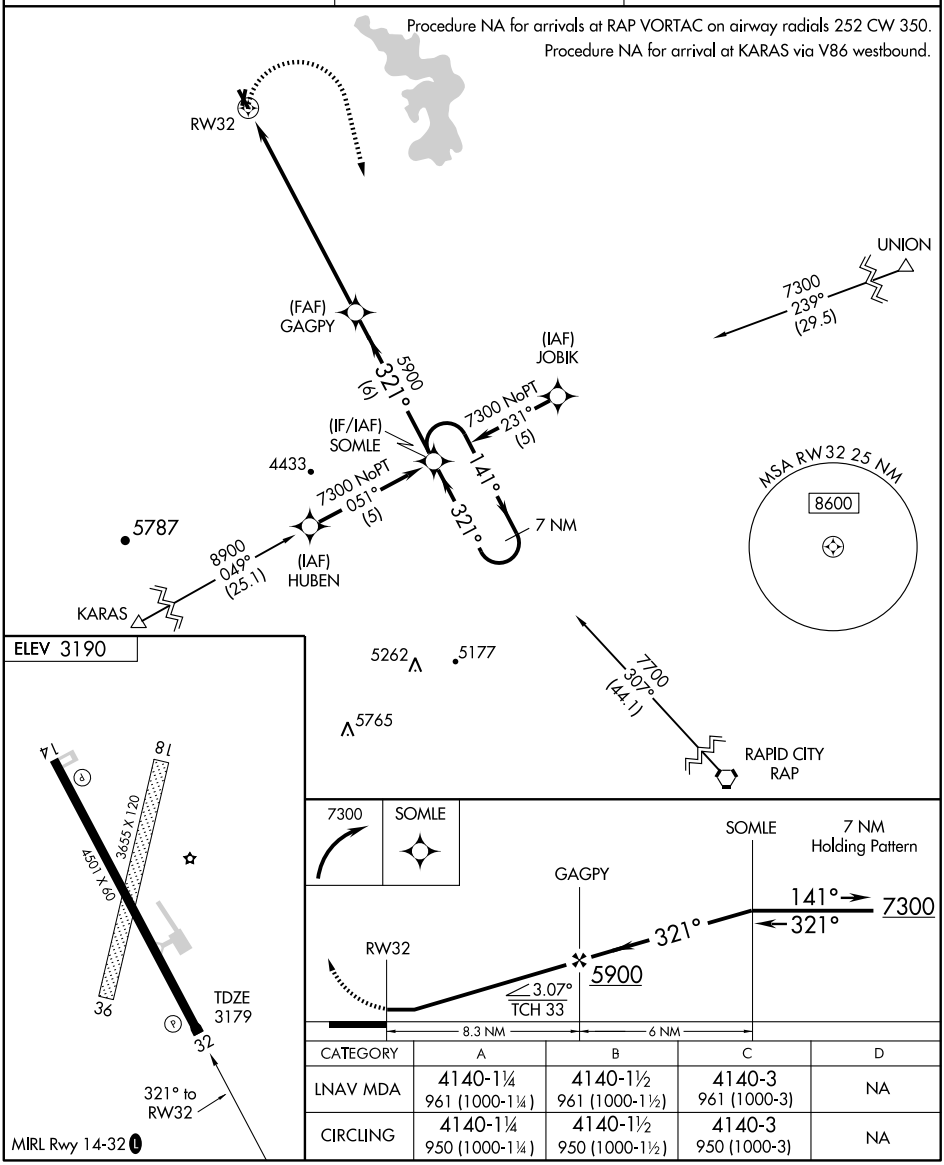
RNAV (GPS) RWY 32
BELLE FOURCHE MUNI (EFC)

DME/DME RNP -0.3 NA.
NA Visibility reduction by helicopters NA.
Use Ellsworth AFB altimeter setting, when not received, use Rapid City Rgnl altimeter setting.

MISSED APPROACH: Climbing right turn to 7300 direct SOMLE and hold.

AWOS-A	DENVER CENTER	UNICOM
122.8	127.95 338.2	122.8 (CTAF) L

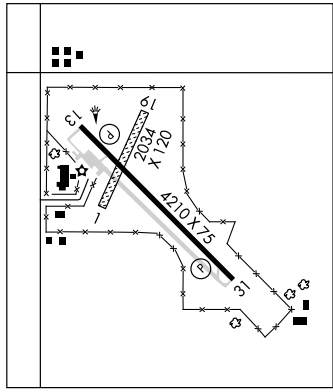
Procedure NA for arrivals at RAP VORTAC on airway radials 252 CW 350.
Procedure NA for arrival at KARAS via V86 westbound.



CATEGORY	A	B	C	D
LNAV MDA	4140-1¼ 961 (1000-1¼)	4140-1½ 961 (1000-1½)	4140-3 961 (1000-3)	NA
CIRCLING	4140-1¼ 950 (1000-1¼)	4140-1½ 950 (1000-1½)	4140-3 950 (1000-3)	NA

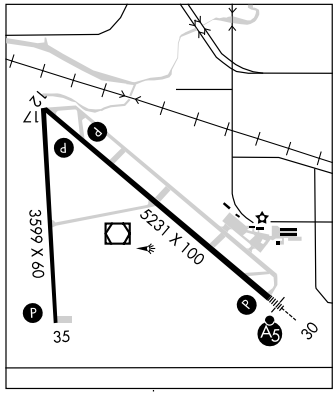
NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

BRITTON MUNI (BTN) 2 NE UTC−6(−5DT) N45°48.90′ W97°44.57′ **TWIN CITIES**
1318 B S2 **FUEL** 100LL NOTAM FILE HON **L–14G**
RWY 13–31: H4210X75 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P4L)—GA 3.0° TCH 37′. Road.
RWY 31: PAPI(P4L)—GA 3.2° TCH 37′.
RWY 01–19: 2034X120 (TURF)
RWY 01: Fence. **RWY 19:** Road.
AIRPORT REMARKS: Attended dalgt hrs. Waterfowl and gulls on and invof arpt. Rwy 01–19 marked with black and white cones.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 120.6
RADIO AIDS TO NAVIGATION: NOTAM FILE ABR.
ABERDEEN (H) VOR/DME 113.0 ABR Chan 77 N45°25.04′ W98°22.12′ 041° 35.6 NM to fld. 1301/7E.



BROOKINGS RGNL (BKX) 0 SW UTC−6(−5DT) N44°18.29′ W96°49.02′ **OMAHA**
1648 B S4 **FUEL** 100LL, JET A Class IV, ARFF Index A NOTAM FILE BKX **H–2I, L–12I**
RWY 12–30: H5231X100 (ASPH–PFC) S–39, D–54, 2S–83, 2D–76 HIRL 0.4% up SE **IAP**
RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 49′. Railroad.
RWY 30: MALSR. REIL. PAPI(P4L)—GA 3.0° TCH 45′. Tree.
RWY 17–35: H3599X60 (ASPH) S–12.5 MIRL 1.1% up S
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 27′. Railroad.
RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 24′. Road.
RUNWAY DECLARED DISTANCE INFORMATION

RWY 12:	TORA–5231	TODA–5231	ASDA–5231	LDA–5231
RWY 17:	TORA–3599	TODA–3599	ASDA–3599	LDA–3599
RWY 30:	TORA–5231	TODA–5231	ASDA–5231	LDA–5231
RWY 35:	TORA–3599	TODA–3599	ASDA–3599	LDA–3599



AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant after hrs call 605–691–7149 or 605–690–6013. Rwy 12 and Rwy 17 apch ends are closely aligned. Verify correct rwy and compass heading prior to dep. Deer on and invof arpt. PPR 48 hrs for unscheduled air carrier ops with 31 plus passenger seats call arpt manager (605) 697–8664. Rwy 17–35 not avbl scheduled ops involving air carrier acft designed for 10–30 passenger seats and unscheduled air carrier ops involving acft designed 30 plus passenger seats. Scheduled air carrier ops involving acft designed for 10–30 passenger seats and unscheduled air carrier ops involving acft designed for 31 plus passenger seats are not authorized under part 139 to operate at BKX in excess of 15 mins before or after scheduled arrival/departure times. Coordinate scheduled changes with airport manager to assure ARFF avbl call (605) 697–8664. Intensive student training. Wildlife on and invof arpt. Large flocks of geese and gulls on and invof arpt Apr–Oct. During summer months mowing and farming ops dalgt hrs only. ACTIVATE HIRL Rwy 12–30, MIRL Rwy 17–35, MALSR Rwy 30, REIL Rwy 12, Rwy 17 and Rwy 35, PAPI Rwy 12, Rwy 30, Rwy 17 and Rwy 35—CTAF.
WEATHER DATA SOURCES: AWOS–3 108.8 BKX (605) 692–1809.
COMMUNICATIONS: CTAF/UNICOM 123.0
RCO 122.65 (HURON RADIO)
AIRSPACE: CLASS E svc Mon–Fri 1130–0130Z‡, Sat 1100–1300Z‡ and 1900–2100Z‡, Sun 2100–0130Z‡ other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE BKX.
(T) VORW/DME 108.8 BKX Chan 25 N44°18.20′ W96°48.91′ at fld. 1641/6E. **AWOS–3.**
VOR portion unusable:
116°–129° byd 10 NM blo 6,000′ 270°–029° byd 10 NM blo 6,000′
130°–180° blo 6,000′
ILS 110.9 I–BKX Rwy 30. Class IE. Unmonitored.

APP CRS	Rwy ldg	4210
129°	TDZE	1318
	Apt Elev	1318

RNAV (GPS) RWY 13
BRITTON MUNI (BTN)

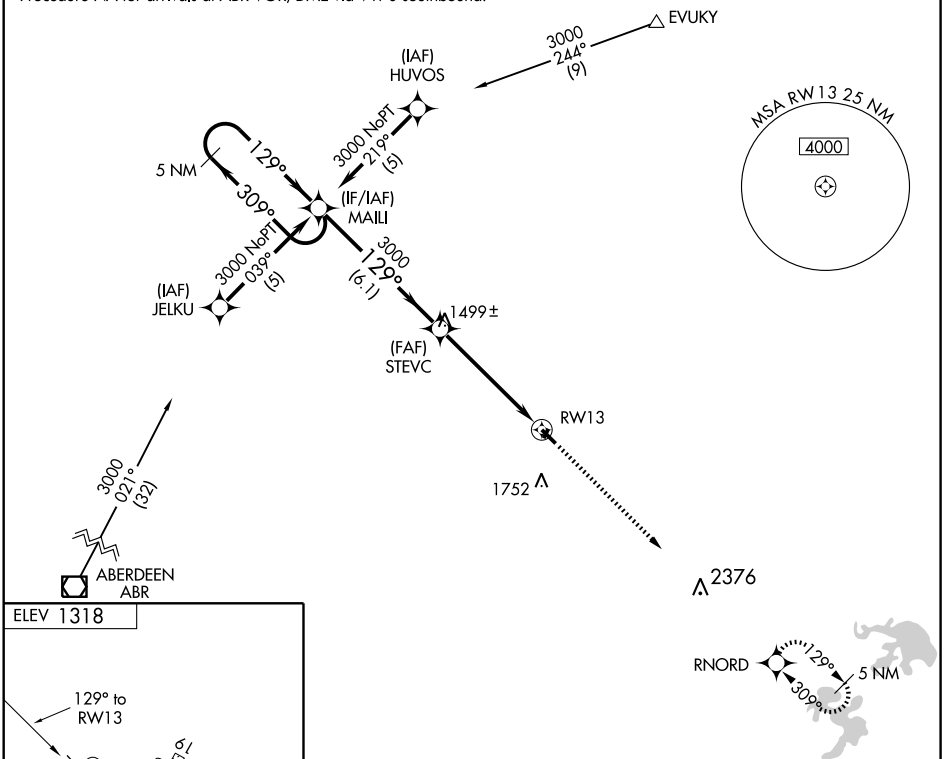
NA

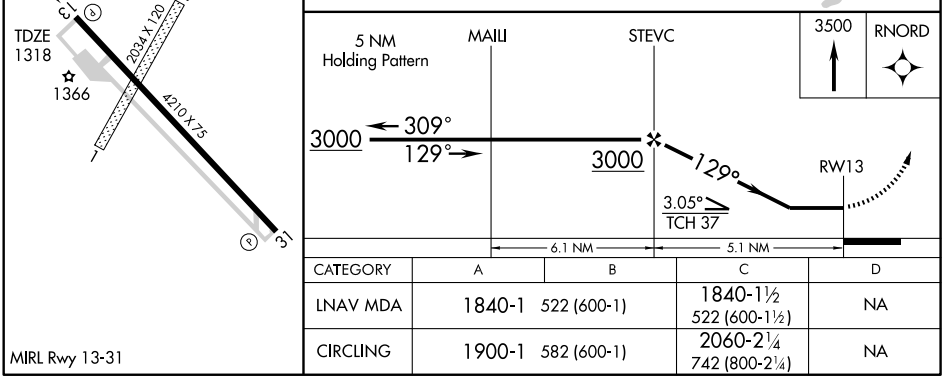
DME/DME RNP- 0.3 NA.
If local altimeter setting not received, use Aberdeen altimeter setting and increase all MDAs 100 feet.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3500 direct RNORD and hold.

MINNEAPOLIS CENTER	UNICOM
120.6 371.9	**122.8** (CTAF)

Procedure NA for arrivals at ABR VOR/DME via V170 southbound.





CATEGORY	A	B	C	D
LNAV MDA	1840-1 522 (600-1)		1840-1½ 522 (600-1½)	NA
CIRCLING	1900-1 582 (600-1)		2060-2¼ 742 (800-2¼)	NA

MIRL Rwy 13-31

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	4210
309°	TDZE	1318
	Apt Elev	1318

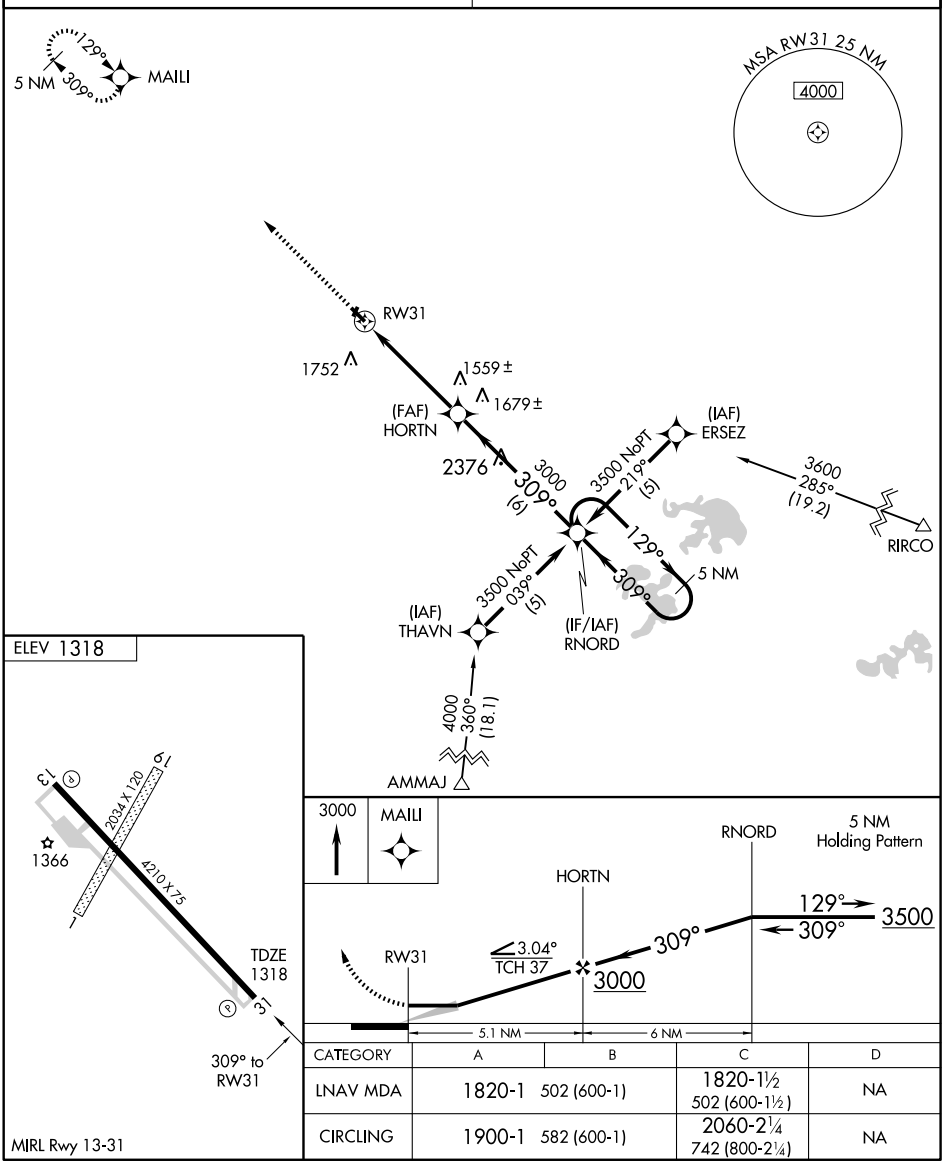
RNAV (GPS) RWY 31
BRITTON MUNI (BTN)

T NA

DME/DME RNP-0.3 NA.
If local altimeter setting not received, use Aberdeen altimeter setting and increase all MDAs 100 feet.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct MAILI and hold.

MINNEAPOLIS CENTER	UNICOM
120.6 371.9	**122.8** (CTAF)

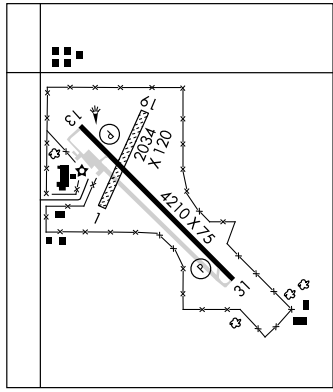


CATEGORY	A	B	C	D
LNAV MDA	1820-1	502 (600-1)	1820-1½ 502 (600-1½)	NA
CIRCLING	1900-1	582 (600-1)	2060-2¼ 742 (800-2¼)	NA

NC-1, 21 OCT 2010 to 18 NOV 2010

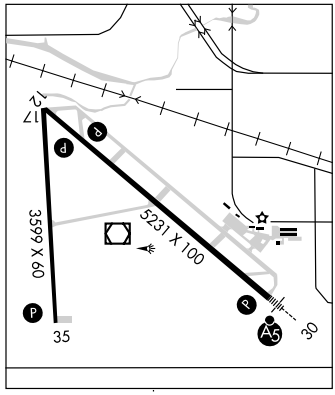
NC-1, 21 OCT 2010 to 18 NOV 2010

BRITTON MUNI (BTN) 2 NE UTC−6(−5DT) N45°48.90′ W97°44.57′ **TWIN CITIES**
1318 B S2 **FUEL** 100LL NOTAM FILE HON **L–14G**
RWY 13–31: H4210X75 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P4L)—GA 3.0° TCH 37′. Road.
RWY 31: PAPI(P4L)—GA 3.2° TCH 37′.
RWY 01–19: 2034X120 (TURF)
RWY 01: Fence. **RWY 19:** Road.
AIRPORT REMARKS: Attended dalgt hrs. Waterfowl and gulls on and invof arpt. Rwy 01–19 marked with black and white cones.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 120.6
RADIO AIDS TO NAVIGATION: NOTAM FILE ABR.
ABERDEEN (H) VOR/DME 113.0 ABR Chan 77 N45°25.04′ W98°22.12′ 041° 35.6 NM to fld. 1301/7E.



BROOKINGS RGNL (BKX) 0 SW UTC−6(−5DT) N44°18.29′ W96°49.02′ **OMAHA**
1648 B S4 **FUEL** 100LL, JET A Class IV, ARFF Index A NOTAM FILE BKX **H–2I, L–12I**
RWY 12–30: H5231X100 (ASPH–PFC) S–39, D–54, 2S–83, 2D–76 HIRL 0.4% up SE **IAP**
RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 49′. Railroad.
RWY 30: MALSR. REIL. PAPI(P4L)—GA 3.0° TCH 45′. Tree.
RWY 17–35: H3599X60 (ASPH) S–12.5 MIRL 1.1% up S
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 27′. Railroad.
RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 24′. Road.
RUNWAY DECLARED DISTANCE INFORMATION

RWY 12:	TORA–5231	TODA–5231	ASDA–5231	LDA–5231
RWY 17:	TORA–3599	TODA–3599	ASDA–3599	LDA–3599
RWY 30:	TORA–5231	TODA–5231	ASDA–5231	LDA–5231
RWY 35:	TORA–3599	TODA–3599	ASDA–3599	LDA–3599



AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant after hrs call 605–691–7149 or 605–690–6013. Rwy 12 and Rwy 17 apch ends are closely aligned. Verify correct rwy and compass heading prior to dep. Deer on and invof arpt. PPR 48 hrs for unscheduled air carrier ops with 31 plus passenger seats call arpt manager (605) 697–8664. Rwy 17–35 not avbl scheduled ops involving air carrier acft designed for 10–30 passenger seats and unscheduled air carrier ops involving acft designed 30 plus passenger seats. Scheduled air carrier ops involving acft designed for 10–30 passenger seats and unscheduled air carrier ops involving acft designed for 31 plus passenger seats are not authorized under part 139 to operate at BKX in excess of 15 mins before or after scheduled arrival/departure times. Coordinate scheduled changes with airport manager to assure ARFF avbl call (605) 697–8664. Intensive student training. Wildlife on and invof arpt. Large flocks of geese and gulls on and invof arpt Apr–Oct. During summer months mowing and farming ops dalgt hrs only. ACTIVATE HIRL Rwy 12–30, MIRL Rwy 17–35, MALSR Rwy 30, REIL Rwy 12, Rwy 17 and Rwy 35, PAPI Rwy 12, Rwy 30, Rwy 17 and Rwy 35—CTAF.
WEATHER DATA SOURCES: AWOS–3 108.8 BKX (605) 692–1809.
COMMUNICATIONS: CTAF/UNICOM 123.0
RCO 122.65 (HURON RADIO)
AIRSPACE: CLASS E svc Mon–Fri 1130–0130Z‡, Sat 1100–1300Z‡ and 1900–2100Z‡, Sun 2100–0130Z‡ other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE BKX.
(T) VORW/DME 108.8 BKX Chan 25 N44°18.20′ W96°48.91′ at fld. 1641/6E. **AWOS–3.**
VOR portion unusable:
116°–129° byd 10 NM blo 6,000′ 270°–029° byd 10 NM blo 6,000′
130°–180° blo 6,000′
ILS 110.9 I–BKX Rwy 30. Class IE. Unmonitored.

LOC I-BKX	APP CRS	Rwy ldg	5231
110.9	303°	TDZE	1629
		Apt Elev	1648

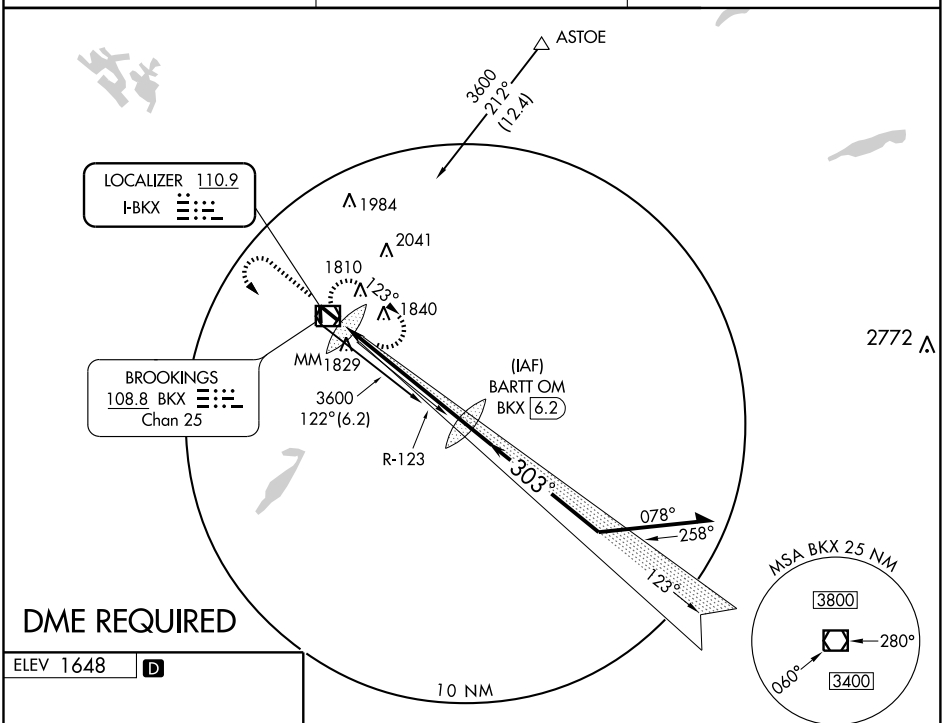
ILS or LOC RWY 30
BROOKINGS RGNL (BKX)

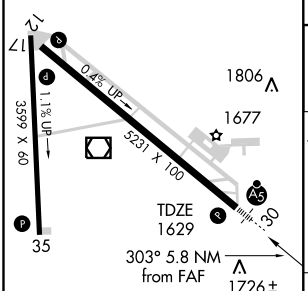
T
A NA

MALSR A5

MISSED APPROACH: Climb to 3600 then left turn direct BKX VOR/DME and hold.

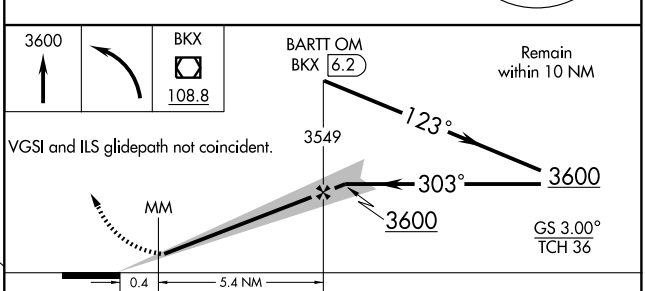
AWOS-3	HURON RADIO	UNICOM
108.8	122.65	123.0 (CTAF) L





HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwy 30
REIL Rwys 12, 17 and 35 L

FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56



VGSI and ILS glidepath not coincident.

CATEGORY	A	B	C	D
S-ILS 30	1829-½ 200 (200-½)			
S-LOC 30	2040-½ 411 (400-½)		2040-¾ 411 (400-¾)	
CIRCLING	2140-1 492 (500-1)		2140-1½ 492 (500-1½)	2200-2 552 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

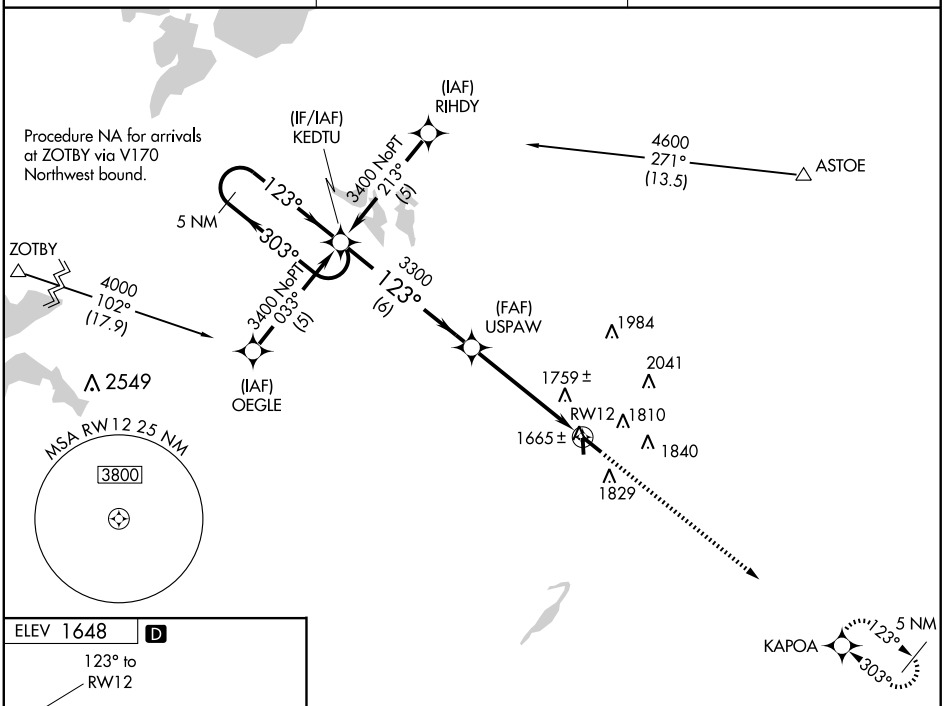
WAAS Chan **72799** W12A	APP CRS **123°**	Rwy ldg **5231** TDZE **1620** Apt Elev **1648**

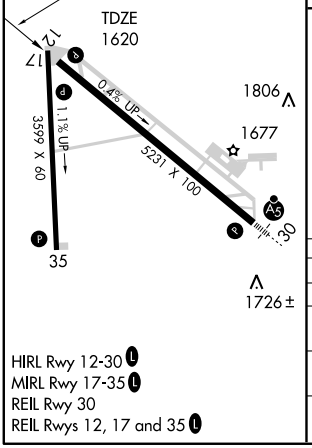
RNAV (GPS) RWY 12
BROOKINGS RGNL (BKX)

If local altimeter setting not received, use Pipestone Muni altimeter setting and increase all DAs/MDAs 100 feet.
VDP and Baro-VNAV NA when using Pipestone Muni altimeter setting.
Baro-VNAV NA below -18°C (0°F).
DME/DME RNP-0.3 NA.

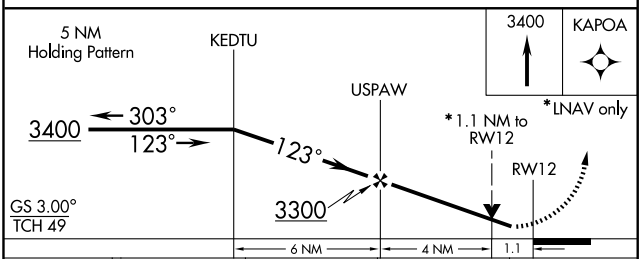
MISSED APPROACH: Climb to 3400 direct KAPOA and hold.

AWOS-3	HURON RADIO	UNICOM
108.8	**122.65**	**123.0** (CTAF) L





HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwy 30
REIL Rwys 12, 17 and 35 L



CATEGORY	A	B	C	D
LPV DA	1870-1 250 (300-1)			
LNAV/VNAV DA	1956-1¼ 336 (400-1¼)			
LNAV MDA	2020-1 400 (400-1)			2020-1¼ 400 (400-1¼)
CIRCLING	2140-1¼ 492 (500-1¼)		2140-1½ 492 (500-1½)	2200-2 552 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS Chan **69399** W30A	APP CRS **303°**	Rwy ldg **5231** TDZE **1629** Apt Elev **1648**

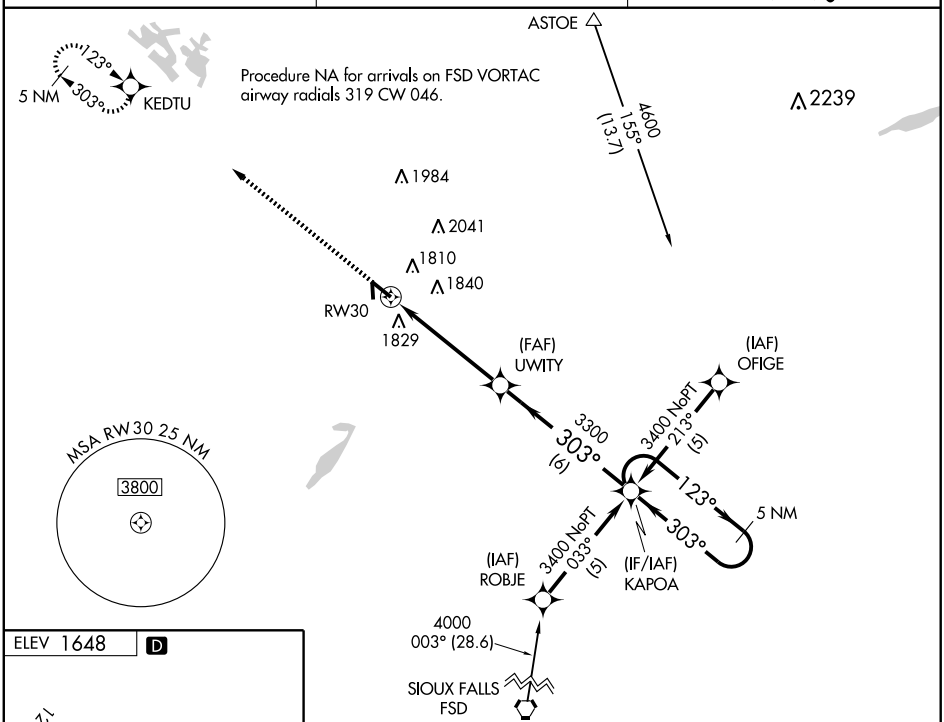
RNAV (GPS) RWY 30
BROOKINGS RGNL (BKX)

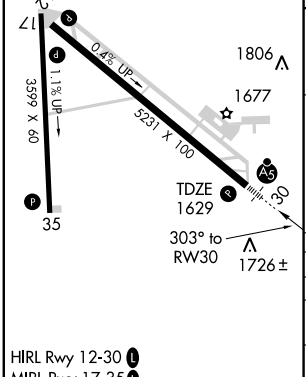
If local altimeter setting not received, use Pipestone Muni altimeter setting and increase all DAs/MDAs 100 feet.
Baro-VNAV NA below -18°C (0°F). DME/DME RNP- 0.3 NA.
VDP and Baro-VNAV NA when using Pipestone Muni altimeter setting.
For inoperative MALSR increase LPV all Cats visibility to 1.

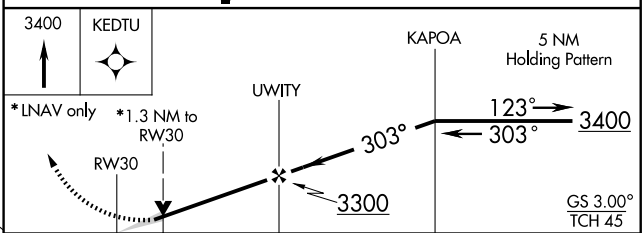
MALSR

MISSED APPROACH: Climb to 3400 direct KEDTU and hold.

AWOS-3	HURON RADIO	UNICOM
108.8	**122.65**	**123.0** (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1934-½ 305 (300-½)			
LNAV/VNAV DA	2138-1¼ 509 (500-1¼)			
LNAV MDA	2080-½ 451 (500-½)		2080-¾ 451 (500-¾)	2080-1 451 (500-1)
CIRCLING	2140-1¾ 492 (500-1¾)			2200-2 552 (600-2)

HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwy 30
REIL Rwys 12, 17 and 35 L

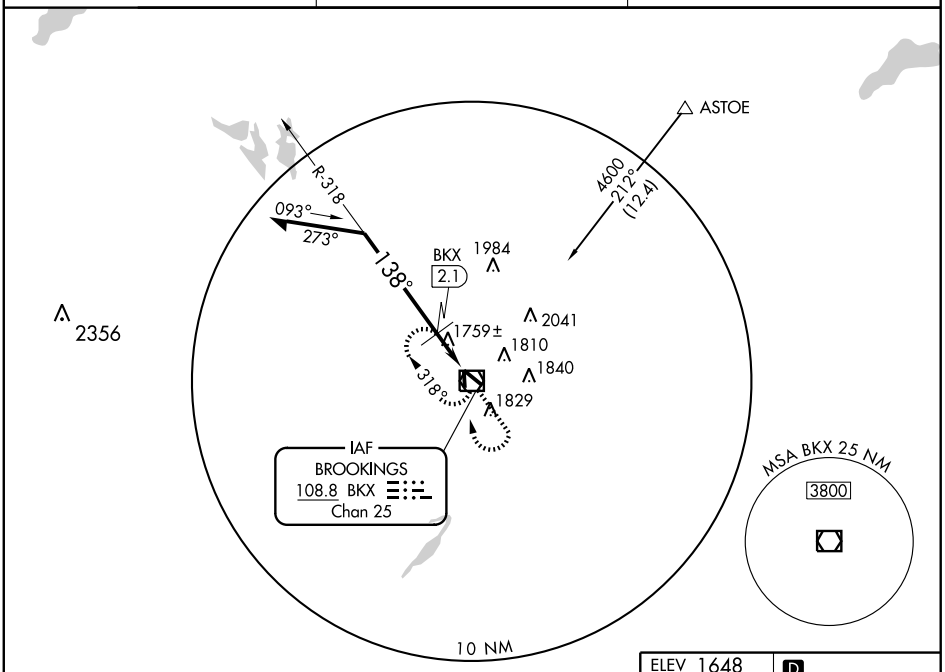
NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

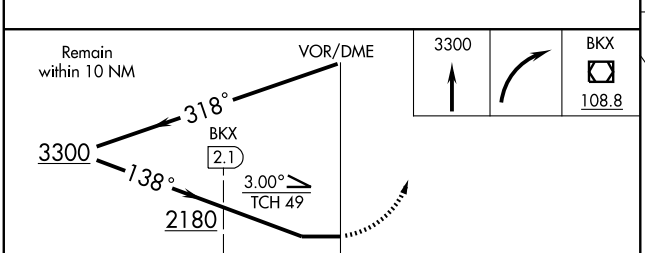
VOR/DME BKX 108.8 Chan 25	APP CRS 138°	Rwy ldg 5231 TDZE 1620 Apt Elev 1648

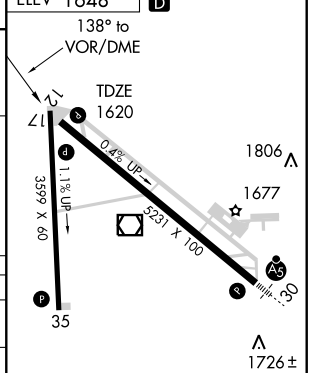
VOR RWY 12
BROOKINGS RGNL (BKX)

MISSED APPROACH: Climb to 3300 then right turn direct BKX VOR/DME and hold.

AWOS-3	HURON RADIO	UNICOM
108.8	122.65	123.0 (CTAF) L







CATEGORY	A	B	C	D
S-12	2180-1	560 (600-1)	2180-1½ 560 (600-1½)	2180-1¾ 560 (600-1¾)
CIRCLING	2180-1	532 (600-1)	2180-1½ 532 (600-1½)	2200-2 552 (600-2)
DME MINIMUMS				
S-12	2040-1	420 (400-1)	2040-1¼ 420 (400-1¼)	
CIRCLING	2140-1	492 (500-1)	2140-1½ 492 (500-1½)	2200-2 552 (600-2)

HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwy 30
REIL Rwys 12, 17 and 35 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

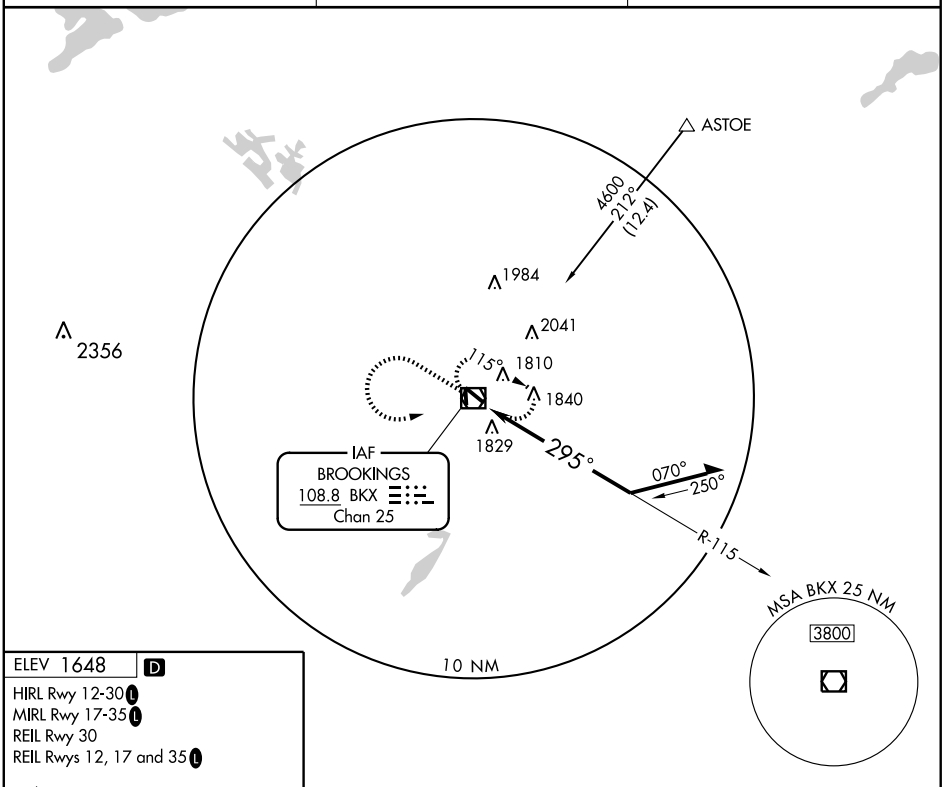
VOR/DME BKX	APP CRS	Rwy ldg	5231
108.8	295°	TDZE	1629
Chan 25		Apt Elev	1648

VOR RWY 30
BROOKINGS RGNL (BKX)

MALSR

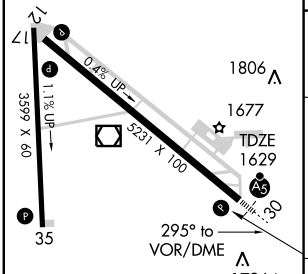
MISSED APPROACH: Climb to 3300 then left turn direct BKX VOR/DME and hold.

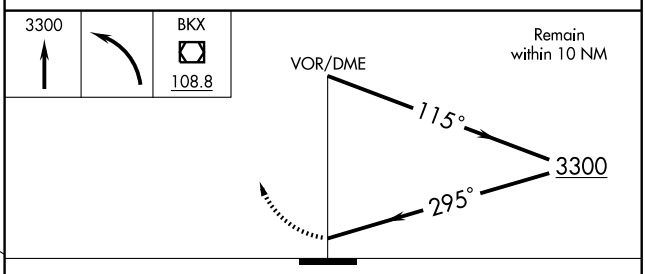
AWOS-3	HURON RADIO	UNICOM
108.8	122.65	123.0 (CTAF) L



ELEV 1648 D

HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwy 30
REIL Rwys 12, 17 and 35 L



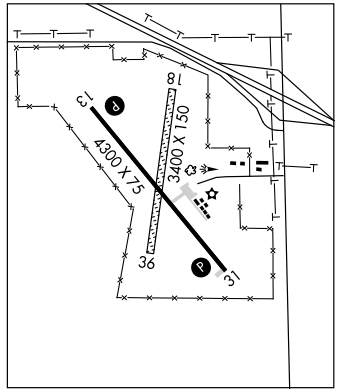


CATEGORY	A	B	C	D
S-30	2660-¾ 1031 (1100-¾)	2660-1 1031 (1100-1)	2660-2½ 1031 (1100-2½)	
CIRCLING	2660-1¼ 1012 (1100-1¼)	2660-1½ 1012 (1100-1½)	2660-3 1012 (1100-3)	

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

CHAMBERLAIN MUNI (9V9) 3 S UTC−6(−5DT) N43°45.97′ W99°19.28′ **OMAHA**
1695 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 13–31: H4300X75 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 40′. Tree.
RWY 31: PAPI (P2L)—GA 3.0° TCH 40′.
RWY 18–36: 3400X150 (TURF)
RWY 18: Pole.
AIRPORT REMARKS: Attended continuously. Fuel avbl 24 hrs with credit card. Waterfowl on and invof arpt. Ultralight activity on and invof arpt. Rwy 18 A–frame markings–black and yellow. Rwy 36 A–frame markings–black and yellow. MIRL Rwy 13–31 preset on low ints, to increase ints and ACTIVATE PAPI Rwy 13 and Rwy 31—CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
Ⓡ **MINNEAPOLIS CENTER APP/DEP CON** 125.1
RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.
PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 125° 52.4 NM to fld. 1789/11E. **HIWAS.**



CHAN GURNEY MUNI (See YANKTON)

CHEYENNE EAGLE BUTTE (See EAGLE BUTTE)

CLARK CO (8D7) 2 NE UTC−6(−5DT) N44°53.70′ W97°42.67′ **TWIN CITIES**
1792 B **FUEL** 100LL NOTAM FILE HON **L–12H, 14G**
RWY 13–31: H3700X60 (ASPH) S–13 MIRL
RWY 13: Road.
RWY 03–21: 2800X100 (TURF)
RWY 03: Road. **RWY 21:** Tree belt.
AIRPORT REMARKS: Unattended. For fuel call 605–532–3862. Rwy 03–21 CLOSED indefinitely due to wet conditions. Wildlife on and invof arpt. Rwy 03–21 SW end of rwy soft when wet. Rwy 03–21 marked with yellow and black split barrels. ACTIVATE MIRL Rwy 13–31—CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
WATERTOWN (L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 249°24.8 NM to fld. 1762/9E. **HIWAS.**

CLEAR LAKE MUNI (5H3) 1 N UTC−6(−5DT) N44°46.28′ W96°41.29′ **TWIN CITIES**
1801 B NOTAM FILE HON
RWY 13–31: 3000X150 (TURF) LIRL
RWY 13: Road. **RWY 31:** P-line.
RWY 02–20: 2130X150 (TURF)
RWY 20: Road.
AIRPORT REMARKS: Unattended. Arpt CLOSED winter months due to snow conditions, call 605–874–2121 for conditions. Wildlife on and invof arpt. Rwy 31 +4′ fence 255′ fm thld. Rwy 13–31 marked with yellow and black metal A-frame markers. ACTIVATE LIRL Rwy 13–31—CTAF.
COMMUNICATIONS: CTAF 122.9

CORSICA MUNI (D65) 1 NE UTC−6(−5DT) N43°26.07′ W98°23.85′ **OMAHA**
1579 B NOTAM FILE HON
RWY 17–35: 3400X150 (TURF) MIRL
RWY 17: Fence. **RWY 35:** Road.
AIRPORT REMARKS: Unattended. Rwy 17 A–frame rwy markings–red and white. Rwy 35 A–frame rwy markings–orange and white. Rwy 17–35 LIRL OTS indef. ACTIVATE MIRL Rwy 17–35—CTAF.
COMMUNICATIONS: CTAF 122.9

APP CRS	Rwy ldg	4300
133°	TDZE	1688
	Apt Elev	1695

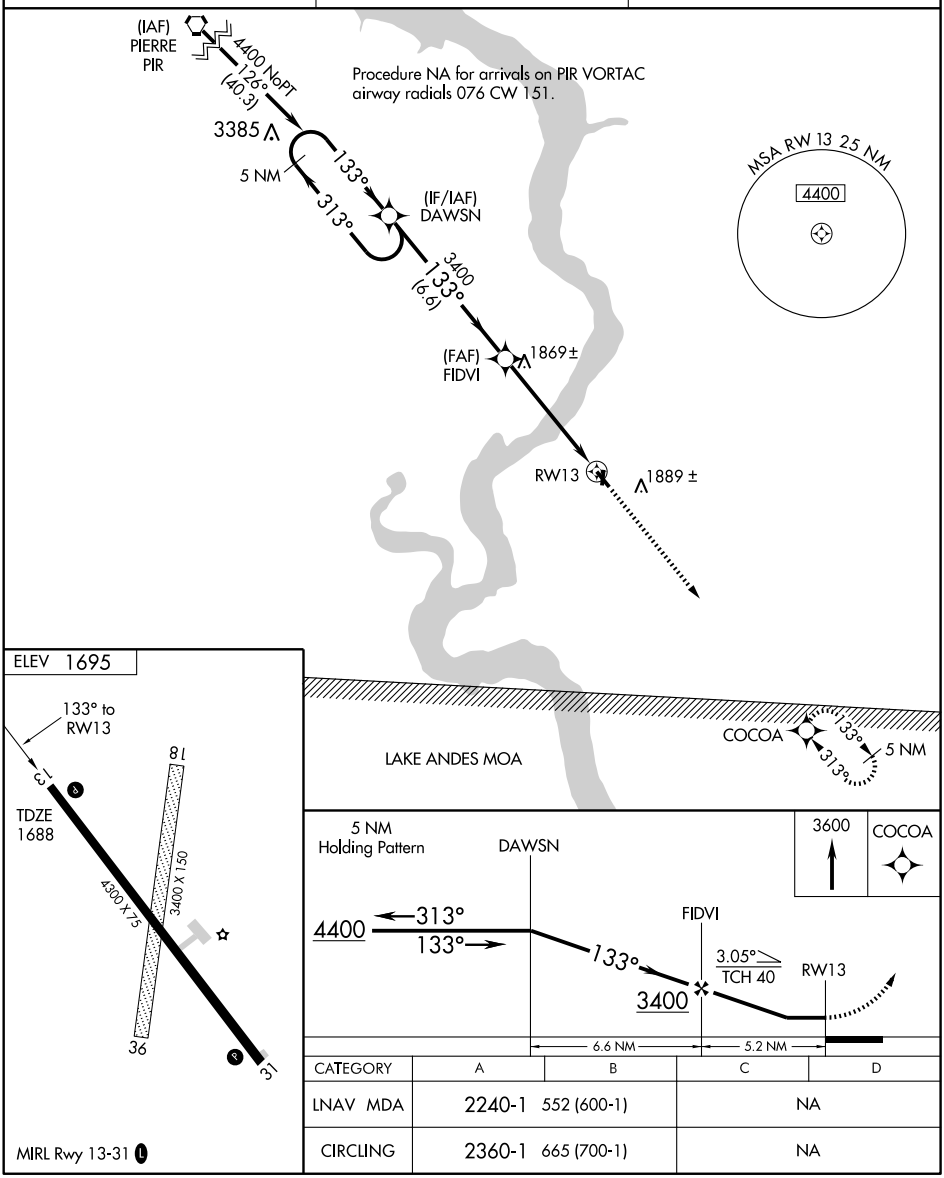
RNAV (GPS) RWY 13
CHAMBERLAIN MUNI (9V9)

DME/DME RNP-0.3 NA.
Use Winner altimeter setting; if not recieved, use Pierre Rgnl altimeter setting and increase all MDAs 20 feet.
When VGSI inoperative, Straight-in/Circling Rwy 13 NA at night.

NA

MISSED APPROACH: Climb to 3600 direct COCOA and hold.

WINNER ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	125.1 269.1	122.8 (CTAF) L



CATEGORY	A	B	C	D
LNAV MDA	2240-1 552 (600-1)		NA	
CIRCLING	2360-1 665 (700-1)		NA	

NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	4300
313°	TDZE	1684
	Apt Elev	1695

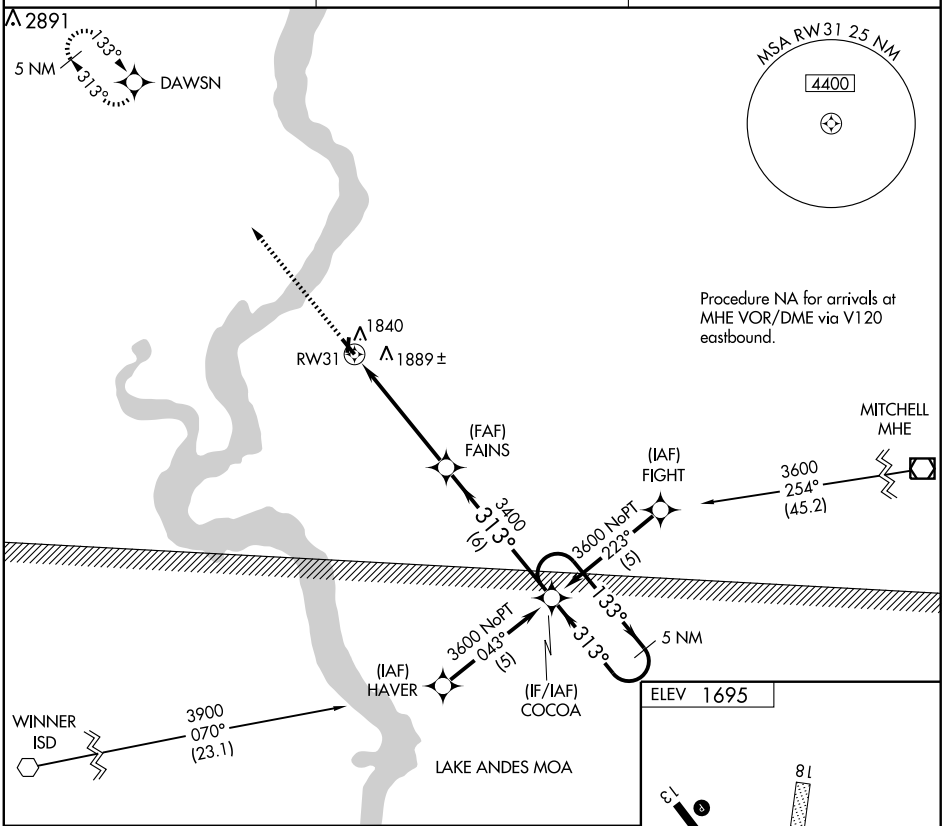
RNAV (GPS) RWY 31
CHAMBERLAIN MUNI (9V9)

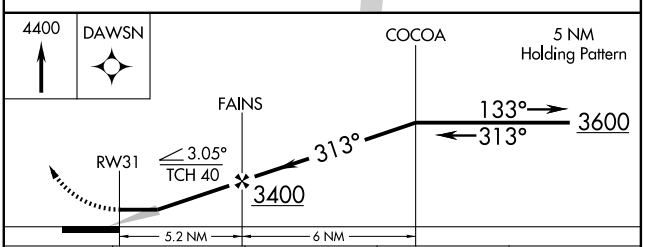
T
NA

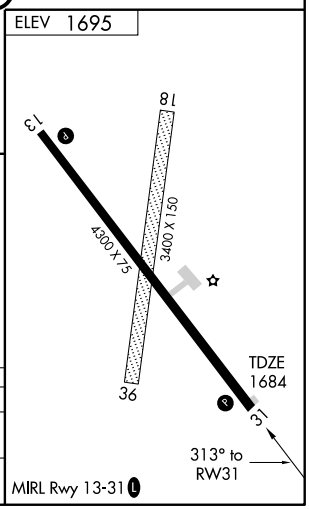
DME/DME RNP-0.3 NA.
Use Winner altimeter setting; if not received, use Pierre Rgnl altimeter setting and increase all MDAs 20 feet.

MISSED APPROACH: Climb to 4400 direct DAWSN and hold.

WINNER ASOS	MINNEAPOLIS CENTER	UNICOM
126.775	125.1 269.1	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	2220-1 536 (600-1)		NA	
CIRCLING	2360-1 665 (700-1)		NA	

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

EAGLE BUTTE

CHEYENNE EAGLE BUTTE (84D) 1 S UTC−7(−6DT) N44°59.06′ W101°15.06′ BILLINGS

2448 B NOTAM FILE HON L–12G, 14F

RWY 13–31: H4200X60 (ASPH) S–12.5 MIRL 0.4% up SE IAP

RWY 13: Road.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. ACTIVATE MIRL Rwy 13–31—122.8.

WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.

COMMUNICATIONS: CTAF 122.9

MINNEAPOLIS CENTER APP/DEP CON 126 .8

RADIO AIDS TO NAVIGATION: NOTAM FILE HON.

DUPREE (H) VORTACW 116.8 DPR Chan 115 N45°04.69′ W101°42.91′ 096° 20.5 NM to fld. 2530/10E.

HIWAS.

EDGEMONT MUNI (6VØ) 1 SW UTC−7(−6DT) N43°17.72′ W103°50.61′ CHEYENNE

3605 B NOTAM FILE HON L–12F

RWY 12–30: H3900X60 (ASPH–AFSC) LIRL

RWY 16–34: 2015X100 (TURF)

RWY 16: Building. **RWY 34:** Fence.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Ultralight activity on and invof arpt. For LIRL Rwy 12–30 key 5 times—CTAF.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.

RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 209° 54.6 NM to fld. 3160/13E.

APP CRS	Rwy ldg	4200
306°	TDZE	2447
	Apt Elev	2447

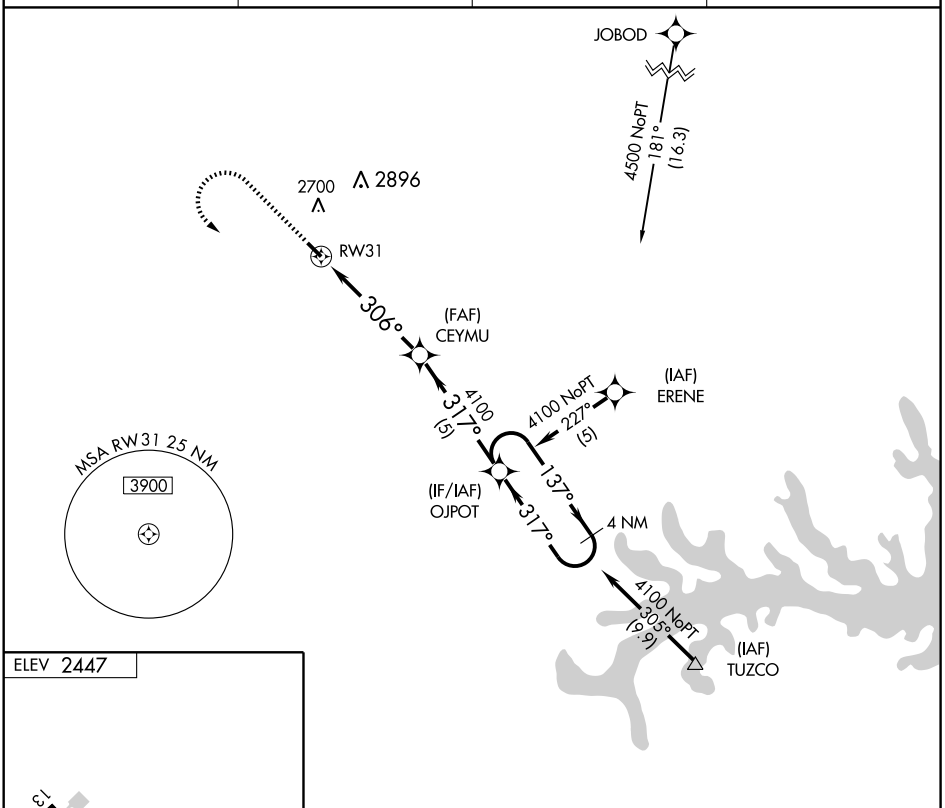
RNAV (GPS) RWY 31

EAGLE BUTTE/CHEYENNE EAGLE BUTTE (84D)

GPS or RNP-0.3 required. DME/DME RNP- 0.3 NA. Use Pierre altimeter setting.

MISSED APPROACH: Climb to 4100 then turn left direct OJPOT WP and hold.

AWOS-3	MINNEAPOLIS CENTER	CTAF	
122.8	126.8 256.7	122.9	122.8 L



CATEGORY	A	B	C	D
LNAV MDA	3020-1 573 (600-1)		NA	
CIRCLING	3240-1 793 (800-1)	3240-1¼ 793 (800-1¼)	NA	

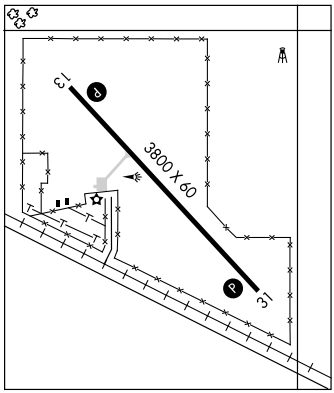
NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

FLANDREAU MUNI (4P3) 3 S UTC−6(−5DT) N44°00.23′ W96°35.59′ **OMAHA**
1645 B NOTAM FILE HON **L–12I**
RWY 10–28: H3100X60 (ASPH) S–12.5 LIRL
RWY 10: PAPI(P2L)—GA 3.0° TCH 25′. Trees. **RWY 28:** PAPI(P2L)—GA 3.0° TCH 25′. Road.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. ACTIVATE LIRL Rwy 10–28; PAPI Rwys 10 and 28—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE BKX.
BROOKINGS (T) VORW/DME 108.8 BKX Chan 25 N44°18.20′ W96°48.91′ 146° 20.4 NM to fld. 1641/6E.

GETTYSBURG MUNI (ØD8) 1 S UTC−6(−5DT) N44°59.20′ W99°57.17′ **TWIN CITIES**
2062 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H, 14G**
RWY 13–31: H4400X75 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 30′. Pole. **RWY 31:** PAPI(P2L)—GA 3.0° TCH 29′.
RWY 04–22: 2505X150 (TURF) 0.5% up NE
AIRPORT REMARKS: Attended Mon–Sat dalgt hrs, Sun irregularly. For fuel call 605–765–9197/9782. Wildlife on and invof arpt. Rwy 04–22 marked with orange and black metal A-frame markers. ACTIVATE MIRL Rwy 13–31—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.9 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 125.1
RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.
PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 003° 36.6 NM to fld. 1789/11E.
HIWAS.

GRAHAM FLD (See NORTH SIOUX CITY)

GREGORY MUNI–FLYNN FLD (9D1) 1 SE UTC−6(−5DT) N43°13.31′ W99°24.20′ **OMAHA**
2168 B S2 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 13–31: H3800X60 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 31′. Trees.
RWY 31: PAPI(P2L)—GA 3.0° TCH 32′.
AIRPORT REMARKS: Attended dawn–dusk. Rwy 13–31 surface has coal tar rejuvenator. ACTIVATE MIRL Rwy 13–31 and PAPI Rwy 13 and Rwy 31—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
WINNER RCO 122.1R 112.8T (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE ANW.
AINSWORTH (L) VORW/DME 112.7 ANW Chan 74 N42°34.15′ W99°59.38′ 024° 46.9 NM to fld. 2582/9E. **HIWAS.**



GROTON MUNI (2E6) 5 N UTC−6(−5DT) N45°32.06′ W98°05.71′ **TWIN CITIES**
1305 NOTAM FILE HON
RWY 15–33: 2070X140 (TURF)
RWY 15: Antenna. **RWY 33:** Road.
AIRPORT REMARKS: Unattended. SE 170′ of Rwy 15–33 CLSD indefly. Arpt not recommended for winter use. Arpt CLOSED Dec–Apr except PPR 605–397–8422. Rwy 15–33 marked with yellow/black wood a–frames.
COMMUNICATIONS: CTAF 122.9

HARDING CO (See BUFFALO)

HAROLD DAVIDSON FLD (See VERMILLION)

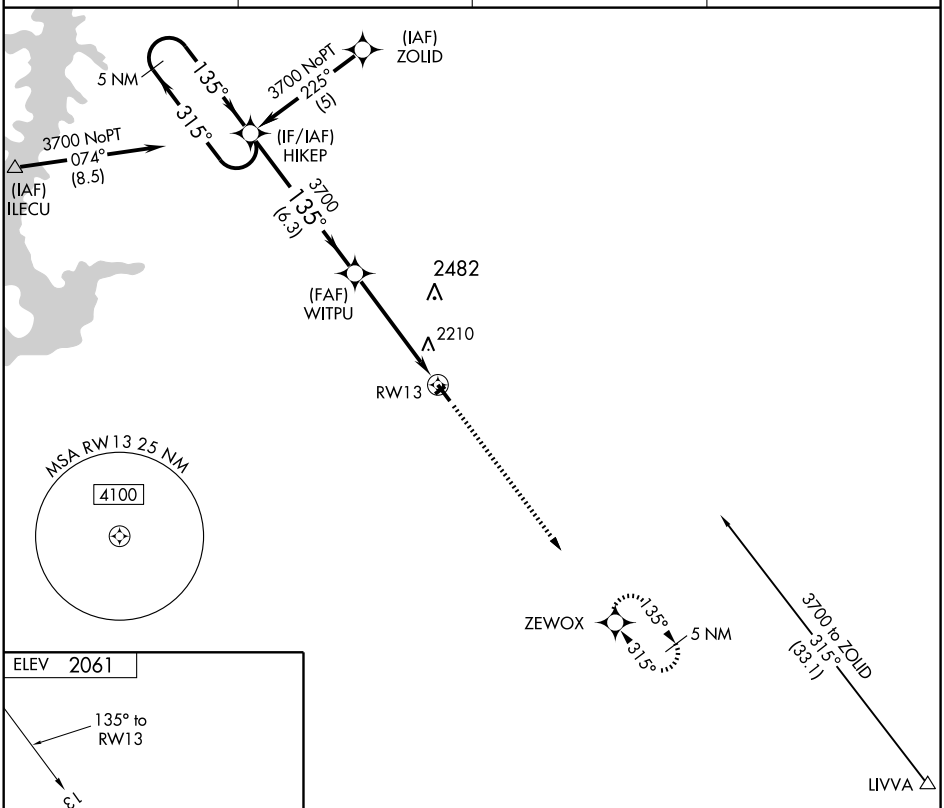
APP CRS	Rwy ldg	4400
135°	TDZE	2061
	Apt Elev	2061

RNAV (GPS) RWY 13
GETTYSBURG MUNI (ØD8)

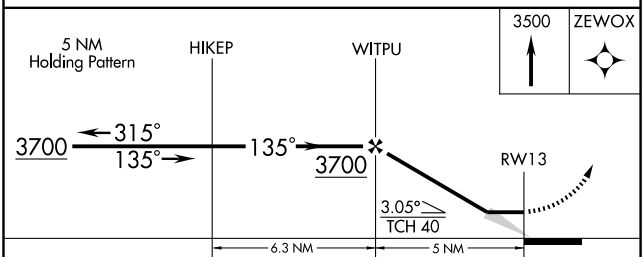
Use Pierre Rgnl altimeter setting; if not received, use Mobridge Muni altimeter setting.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3500 direct ZEWOX and hold.

AWOS-A	PIERRE RGNL ASOS	MINNEAPOLIS CENTER	UNICOM
122.9	119.025	125.1 269.1	122.8 (CTAF) L



MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LNAV MDA	2600-1 539 (600-1)		2600-1½ 539 (600-1½)	NA
CIRCLING	2660-1 599 (600-1)		2660-1½ 599 (600-1½)	NA

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

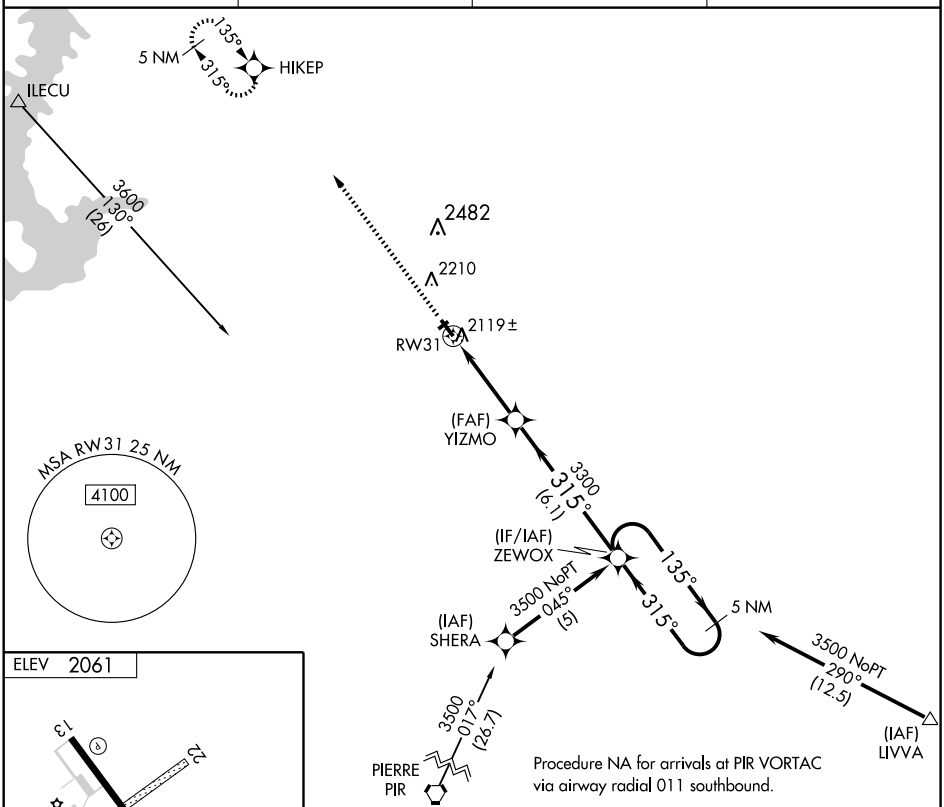
APP CRS	Rwy ldg	4400
315°	TDZE	2061
	Apt Elev	2061

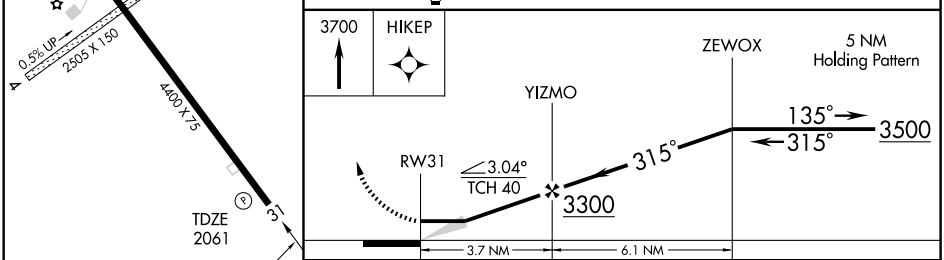
RNAV (GPS) RWY 31
GETTYSBURG MUNI (ØD8)

Use Pierre Rgnl altimeter setting; if not received, use Mobridge Muni altimeter setting.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3700 direct HIKEP and hold.

AWOS-A	PIERRE RGNL ASOS	MINNEAPOLIS CENTER	UNICOM
122.9	119.025	125.1 269.1	122.8 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	2540-1 479 (500-1)		2540-1¼ 479 (500-1¼)	NA
CIRCLING	2660-1 599 (600-1)		2660-1½ 599 (600-1½)	NA

MIRL Rwy 13-31

NC-1, 21 OCT 2010 to 18 NOV 2010

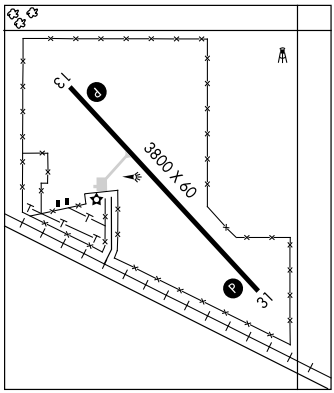
NC-1, 21 OCT 2010 to 18 NOV 2010

FLANDREAU MUNI (4P3) 3 S UTC−6(−5DT) N44°00.23′ W96°35.59′ **OMAHA**
1645 B NOTAM FILE HON **L–12I**
RWY 10–28: H3100X60 (ASPH) S–12.5 LIRL
RWY 10: PAPI(P2L)—GA 3.0° TCH 25′. Trees. **RWY 28:** PAPI(P2L)—GA 3.0° TCH 25′. Road.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. ACTIVATE LIRL Rwy 10–28; PAPI Rwys 10 and 28—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE BKX.
BROOKINGS (T) VORW/DME 108.8 BKX Chan 25 N44°18.20′ W96°48.91′ 146° 20.4 NM to fld. 1641/6E.

GETTYSBURG MUNI (ØD8) 1 S UTC−6(−5DT) N44°59.20′ W99°57.17′ **TWIN CITIES**
2062 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H, 14G**
RWY 13–31: H4400X75 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 30′. Pole. **RWY 31:** PAPI(P2L)—GA 3.0° TCH 29′.
RWY 04–22: 2505X150 (TURF) 0.5% up NE
AIRPORT REMARKS: Attended Mon–Sat dalgt hrs, Sun irregularly. For fuel call 605–765–9197/9782. Wildlife on and invof arpt. Rwy 04–22 marked with orange and black metal A-frame markers. ACTIVATE MIRL Rwy 13–31—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.9 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 125.1
RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.
PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 003° 36.6 NM to fld. 1789/11E.
HIWAS.

GRAHAM FLD (See NORTH SIOUX CITY)

GREGORY MUNI–FLYNN FLD (9D1) 1 SE UTC−6(−5DT) N43°13.31′ W99°24.20′ **OMAHA**
2168 B S2 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 13–31: H3800X60 (ASPH) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 31′. Trees.
RWY 31: PAPI(P2L)—GA 3.0° TCH 32′.
AIRPORT REMARKS: Attended dawn–dusk. Rwy 13–31 surface has coal tar rejuvenator. ACTIVATE MIRL Rwy 13–31 and PAPI Rwy 13 and Rwy 31—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
WINNER RCO 122.1R 112.8T (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE ANW.
AINSWORTH (L) VORW/DME 112.7 ANW Chan 74 N42°34.15′ W99°59.38′ 024° 46.9 NM to fld. 2582/9E. **HIWAS.**



GROTON MUNI (2E6) 5 N UTC−6(−5DT) N45°32.06′ W98°05.71′ **TWIN CITIES**
1305 NOTAM FILE HON
RWY 15–33: 2070X140 (TURF)
RWY 15: Antenna. **RWY 33:** Road.
AIRPORT REMARKS: Unattended. SE 170′ of Rwy 15–33 CLSD indefly. Arpt not recommended for winter use. Arpt CLOSED Dec–Apr except PPR 605–397–8422. Rwy 15–33 marked with yellow/black wood a–frames.
COMMUNICATIONS: CTAF 122.9

HARDING CO (See BUFFALO)

HAROLD DAVIDSON FLD (See VERMILLION)

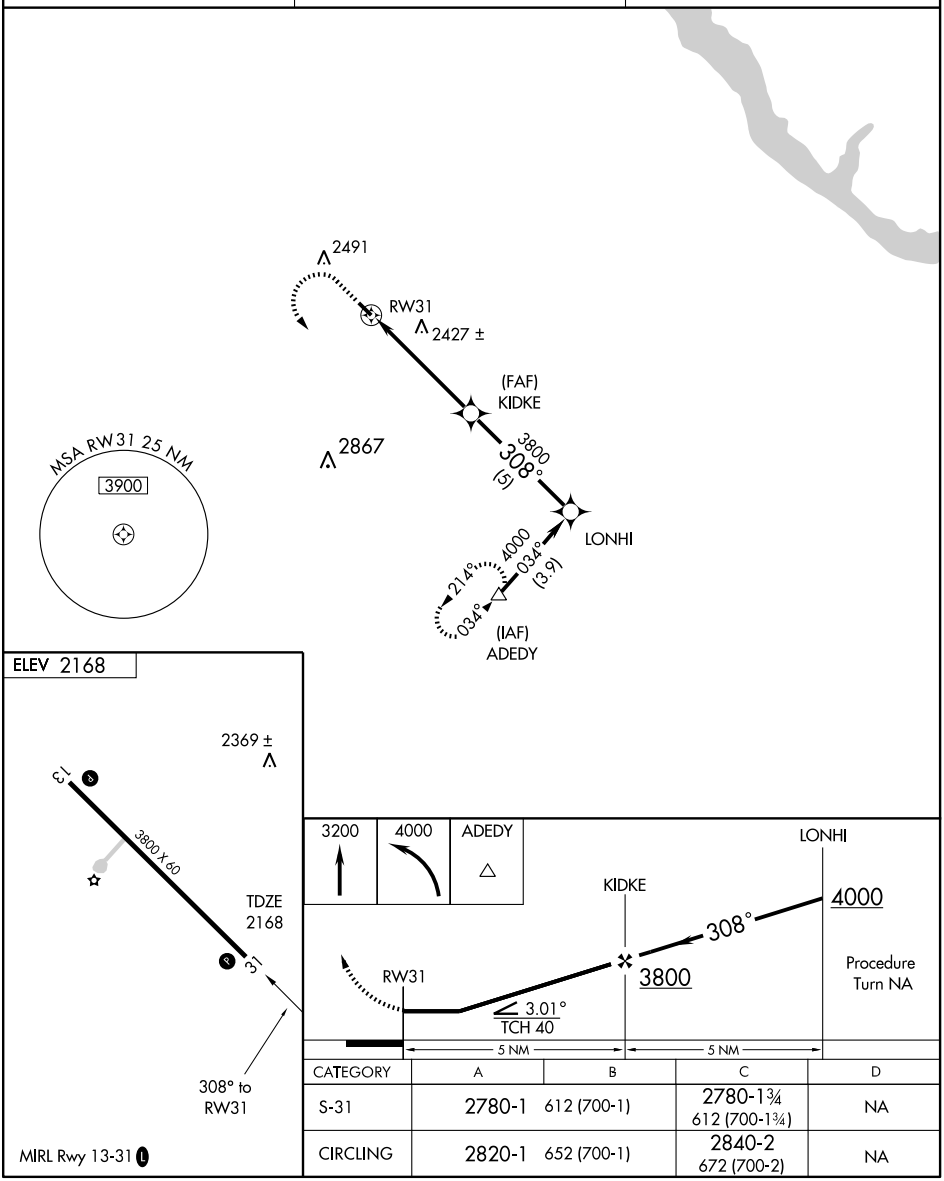
APP CRS	Rwy ldg	3800
308°	TDZE	2168
	Apt Elev	2168

GPS RWY 31
GREGORY MUNI, FLYNN FIELD (9D1)

Use O'Neill altimeter setting.
NA

MISSED APPROACH: Climb to 3200 then climbing left turn to 4000 direct ADEDY and hold.

AWOS-A	HURON RADIO	UNICOM
122.8	122.1R	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-31	2780-1	612 (700-1)	2780-1¾ 612 (700-1¾)	NA
CIRCLING	2820-1	652 (700-1)	2840-2 672 (700-2)	NA

HERREID MUNI (5T4) 1 N UTC−6(−5DT) N45°51.25′ W100°04.52′ **TWIN CITIES**

1725 NOTAM FILE HON

RWY 12–30: H2230X200 (ASPH–TURF)

RWY 30: Road.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 12 marked with orange/black metal markers. Rwy 30 marked with orange/black metal markers.

COMMUNICATIONS: CTAF 122.9

HIGHMORE MUNI (9DØ) 1 N UTC−6(−5DT) N44°32.50′ W99°26.77′ **TWIN CITIES**

1854 B S2 NOTAM FILE HON **L–12H**

RWY 12–30: H3700X60 (ASPH) LIRL

RWY 12: Fence **RWY 30:** Road

AIRPORT REMARKS: Unattended. ACTIVATE LIRL Rwy 12–30—CTAF.

COMMUNICATIONS: CTAF 122.9

RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.

PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 063° 32.0 NM to fld. 1789/11E. **HIWAS**

HOT SPRINGS MUNI (HSR) 5 SE UTC−7(−6DT) N43°22.10′ W103°23.30′ **CHEYENNE**

3150 B **FUEL** 100LL NOTAM FILE HON **L–12G**

RWY 01–19: H4506X100 (ASPH) S–7 MIRL **IAP**

RWY 01: PAPI(P2L)—GA 3.0° TCH 29′. Trees.

RWY 19: PAPI(P2L)—GA 3.0° TCH 31′. Fence.

RWY 06–24: 3946X250 (TURF)

AIRPORT REMARKS: Attended Mon–Fri 1500–0000Z‡. Fuel avbl 24 hrs with credit card. Birds on and invof arpt. Glider ops on and invof arpt. Rwy 06–24 marked with black and white cones. ACTIVATE MIRL Rwy 01–19 and PAPI Rwy 01 and Rwy 19—CTAF.

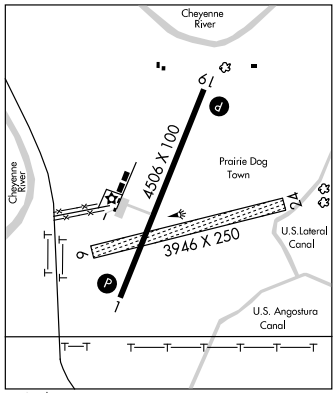
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.

COMMUNICATIONS: CTAF/UNICOM 122.8

DENVER CENTER APP/DEP CON 127.95

RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.

RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 191° 40.0 NM to fld. 3160/13E.



HOVEN MUNI (9F8) 2 NW UTC−6(−5DT) N45°15.45′ W99°47.87′ **TWIN CITIES**

1884 B **FUEL** 100LL NOTAM FILE HON **L–12H, 14G**

RWY 13–31: H3700X60 (ASPH) S–12.5 MIRL

RWY 31: PAPI(P2L)—GA 3.0° TCH 28′. Highway.

AIRPORT REMARKS: Unattended. Birds and deer on and invof arpt. Church steeple 2029′ MSL 6800′ from Rwy 31 thld. Rwy 31 PAPI OTS indef. ACTIVATE MIRL Rwy 13–31, PAPI Rwy 31—CTAF.

COMMUNICATIONS: CTAF 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.

PIERRE (L)VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 006° 54.1 NM to fld. 1789/11E. **HIWAS**

HOWARD MUNI (8D9) 1 N UTC−6(−5DT) N44°01.75′ W97°32.27′ **OMAHA**

1582 B NOTAM FILE HON

RWY 13–31: 2672X150 (TURF) LIRL

RWY 13: Road.

RWY 18–36: 1932X150 (TURF)

RWY 18: P–line. **RWY 36:** Fence.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 18–36 marked with new white/black markder cones. ACTIVATE LIRL Rwy 13–31—CTAF.

COMMUNICATIONS: CTAF 122.9

APP CRS	Rwy ldg	4506
192°	TDZE	3144
	Apt Elev	3148

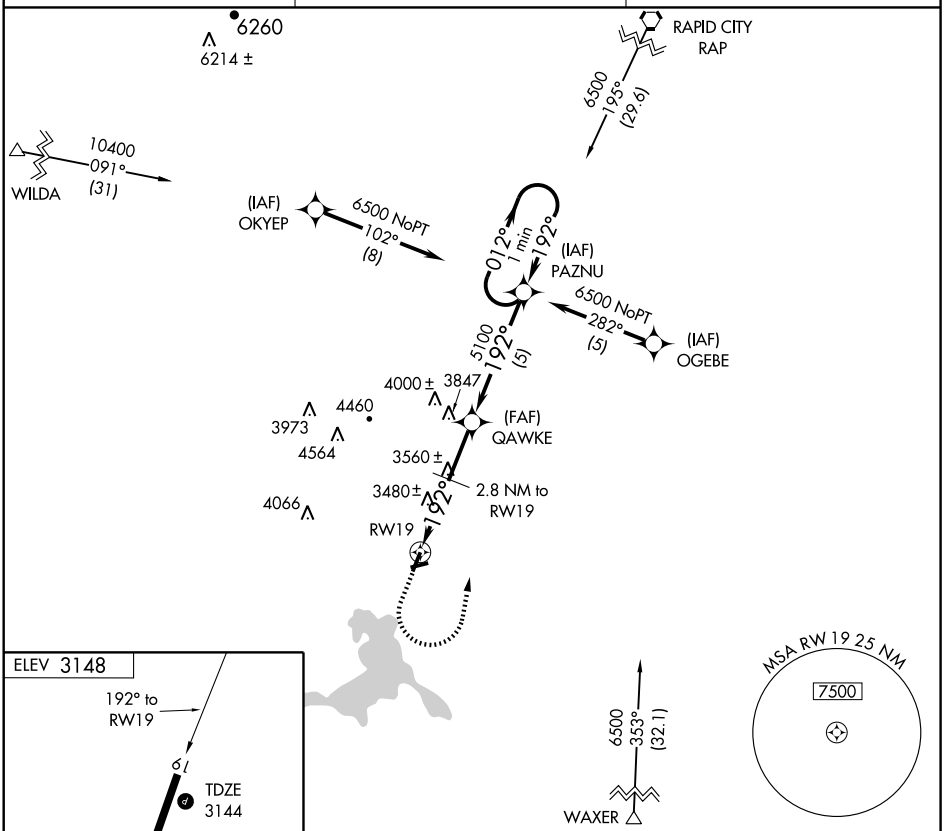
GPS RWY 19
HOT SPRINGS MUNI (HSR)

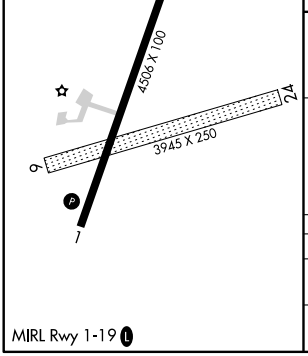
NA

Use Rapid City Rgnl altimeter setting.

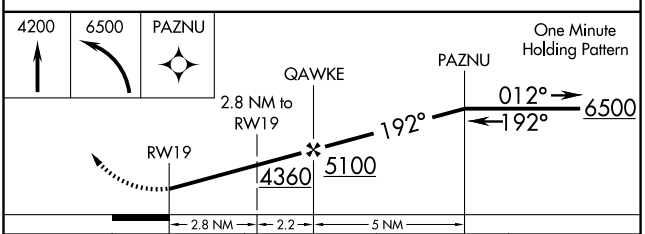
MISSED APPROACH: Climb to 4200 then climbing left turn to 6500 direct PAZNU WPT and hold.

AWOS-A	DENVER CENTER	UNICOM
122.8	127.95 338.2	122.8 (CTAF) L





MIRL Rwy 1-19 L



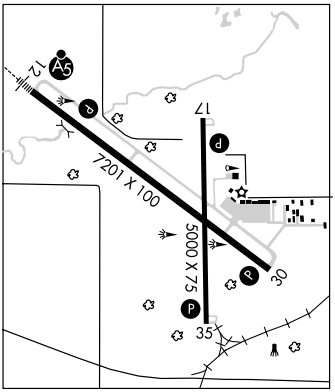
CATEGORY	A	B	C	D
S-19	3840-1 696 (700-1)		3840-2 696 (700-2)	3840-2¼ 696 (700-2¼)
CIRCLING	3840-1 692 (700-1)		3840-2 692 (700-2)	3900-2½ 752 (800-2½)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

HURON RGNL (HON) 0 NW UTC−6(−5DT) N44°23.11′ W98°13.71′ **OMAHA**
1289 B S4 **FUEL** 100LL, JET A OX 4 TPA–2101(812) ARFF Index—See Remarks **H–2I, L–12H**
NOTAM FILE HON **IAP**

RWY 12–30: H7201X100 (CONC–GRVD) S–75, D–150, 2S–175, 2D–280, 2D/2D2–395 HIRL
RWY 12: MALSR. PAPI(P4L)—GA 3.0° TCH 50′.
RWY 30: REIL. PAPI(P4L)—GA 3.0° TCH 50′. Antenna.
RWY 17–35: H5000X75 (CONC) S–40, D–55 MIRL
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 27′.
RWY 35: REIL. PAPI(P4L)—GA 3.0° TCH 23′.



RUNWAY DECLARED DISTANCE INFORMATION

RWY 12:	TORA–7201	TODA–7201	ASDA–7201	LDA–7201
RWY 17:	TORA–5000	TODA–5000	ASDA–5000	LDA–5000
RWY 30:	TORA–7201	TODA–7201	ASDA–7201	LDA–7201
RWY 35:	TORA–5000	TODA–5000	ASDA–5000	LDA–5000

AIRPORT REMARKS: Attended 1300Z‡–SS. For attendant after hrs call 605–352–9262. Snow removal in progress Nov–Apr. Deer and game birds on and invof arpt. Agricultural acft spraying invof arpt Apr–Aug. Class II, ARFF Index A. PPR 1 hr for unscheduled air carrier ops with more than 30 passenger seats call arpt manager 605–353–8516. Rwy 17–35 not avbl for air carrier ops. Scheduled air carrier ops acft designed for 10–30 passenger seats and unscheduled air carrier ops involving acft designed for 31 plus passenger seats are not authorized under PART 139 to operate at HON in excess of 15 mins before or after scheduled arrival/departure times. ARFF Index B avbl on request with PPR, ctc arpt manager 605–353–8516. Coordinate scheduled changes with arpt manager to assure ARFF avbl call 605–353–8516. HIRL Rwy 12–30 preset on low ints SS–0400Z‡, to increase ints and ACTIVATE MALSR Rwy 12, REIL Rwys 17, 35 and Rwy 30 and MIRL Rwy 17–35—123.0. PAPI Rwy 12, Rwy 17, Rwy 30 and Rwy 35 opr SR–0400Z‡; other times ACTIVATE–123.0.
WEATHER DATA SOURCES: ASOS 118.125 (605) 352–7531.
COMMUNICATIONS: CTAF 123.6 **UNICOM** 123.0
RCO 123.6 122.6 122.2 122.1R. (HURON RADIO)
MINNEAPOLIS CENTER APP/DEP CON 126.25
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
(L) VORTAC 117.6 HON Chan 123 N44°26.40′ W98°18.66′ 123° 4.8 NM to fld. 1300/10E.
BEADY NDB (LOM) 302 HO N44°26.63′ W98°20.21′ 120° 5.8 NM to fld.
ILS/DME 110.3 I–HON Chan 40 Rwy 12 Class IE. LOM BEADY NDB.
COMM/NAV/WEATHER REMARKS: Ctc Huron Radio for airport advisory service on 123.6.

ISABEL MUNI (3Y7) 0 SW UTC−7(−6DT) N45°23.37′ W101°26.25′ **BILLINGS**
2398 B NOTAM FILE HON
RWY 13–31: 3000X150 (TURF) LIRL
RWY 31: Trees.
AIRPORT REMARKS: Unattended. Rwy 13–31 marked with 2′ metal A–frames. ACTIVATE LIRL Rwy 13–31—CTAF 5 times.
COMMUNICATIONS: CTAF 122.9

JOE FOSS FLD (See SIOUX FALLS)

KADOKA MUNI (5V8) 1 E UTC−7(−6DT) N43°50.00′ W101°29.83′ **CHEYENNE**
2460 B NOTAM FILE HON
RWY 12–30: 2600X150 (TURF–GRVL) LIRL
RWY 12: Antenna.
RWY 04–22: 1600X100 (TURF)
AIRPORT REMARKS: Unattended. Center portion of Rwy 12–30 is turf/aggregate 2400′X50′. Rwy 12–30 few bumps on rwy due to local rodents. ACTIVATE LIRL Rwy 12–30—122.8.
COMMUNICATIONS: CTAF 122.9

KIMBALL MUNI (6A6) 2 NW UTC−6(−5DT) N43°45.50′ W98°58.69′ **OMAHA**
1755 NOTAM FILE HON
RWY 13–31: 2600X250 (TURF)
RWY 13: Road. **RWY 31:** Road
AIRPORT REMARKS: Unattended. Arpt CLOSED winter months. Rwy 13–31 A-Frame rwy markings black and yellow.
COMMUNICATIONS: CTAF 122.9

LOC/DME I-HON	APP CRS	Rwy ldg	7201
110.3	121°	TDZE	1289
Chan 40		Apt Elev	1289

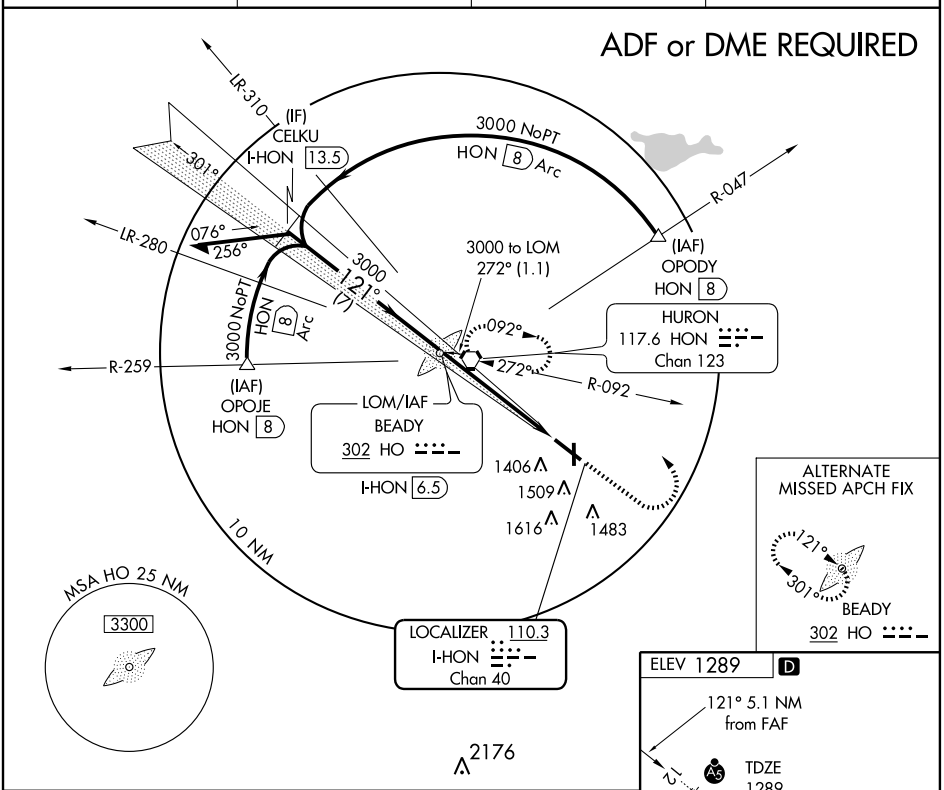
ILS or LOC RWY 12
HURON RGNL (HON)

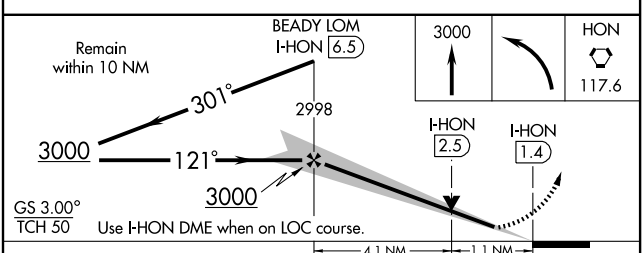
For inoperative MALSR when using Mitchell altimeter setting increase S-ILS 12 all cats visibility to 1 mile. When local altimeter setting not received, use Mitchell Muni altimeter setting and increase all DA 89 feet and all MDA 100 feet, increase S-LOC 12 Cats C and D visibility ¼ mile and Circling Cats C and D ¼ mile. VDP NA when using Mitchell altimeter setting.

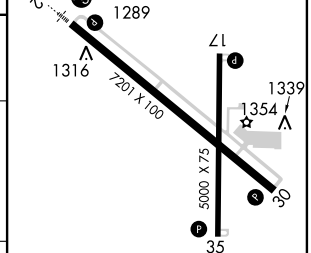
MALSR

MISSED APPROACH: Climb to 3000 then left turn direct HON VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
118.125	126.25 339.8	123.6 (CTAF)	123.0 L







HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 17, 30 and 35 L

CATEGORY	A	B	C	D
S-ILS 12	1489-½ 200 (200-½)			
S-LOC 12	1680-½ 391 (400-½)			1680-¾ 391 (400-¾)
CIRCLING	1820-1 531 (600-1)		1820-1½ 531 (600-1½)	1980-2¼ 691 (700-2¼)

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

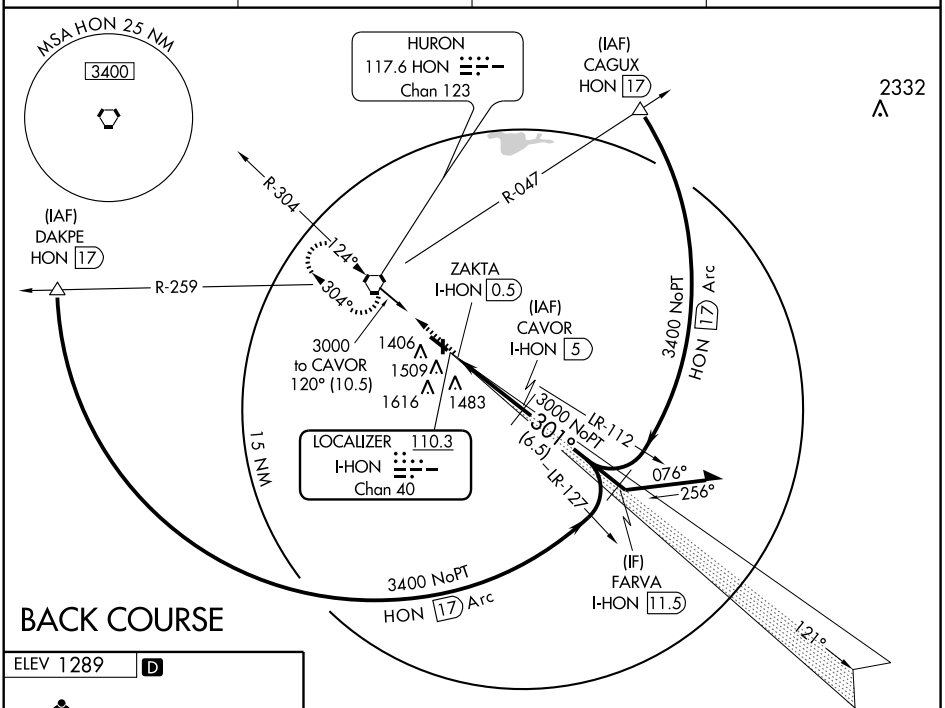
LOC/DME I-HON 110.3 Chan 40	APP CRS 301°	Rwy ldg 7201 TDZE 1286 Apt Elev 1289

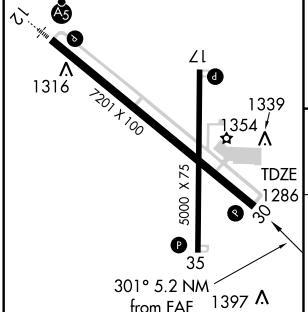
LOC/DME BC RWY 30
HURON RGNL (HON)

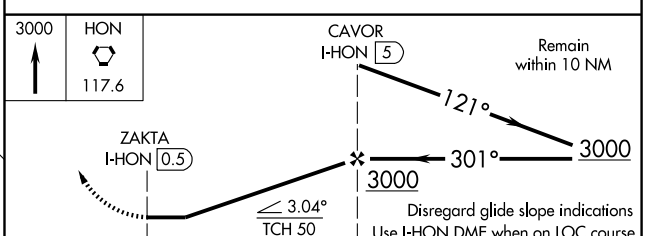
If local altimeter setting not received, use Mitchell Muni altimeter setting and increase all MDAs 100 feet.

MISSED APPROACH: Climb to 3000 direct HON VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
118.125	126.25 339.8	123.6 (CTAF)	123.0 L







CATEGORY	A	B	C	D
S-30	1700-1 414 (500-1)		1700-1¼ 414 (500-1¼)	
CIRCLING	1820-1 531 (600-1)		1820-1½ 531 (600-1½)	1980-2¼ 691 (700-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 17, 30 and 35 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH **70314** **W12A**	APP CRS **121°**	Rwy ldg **7201** TDZE **1289** Apt Elev **1289**

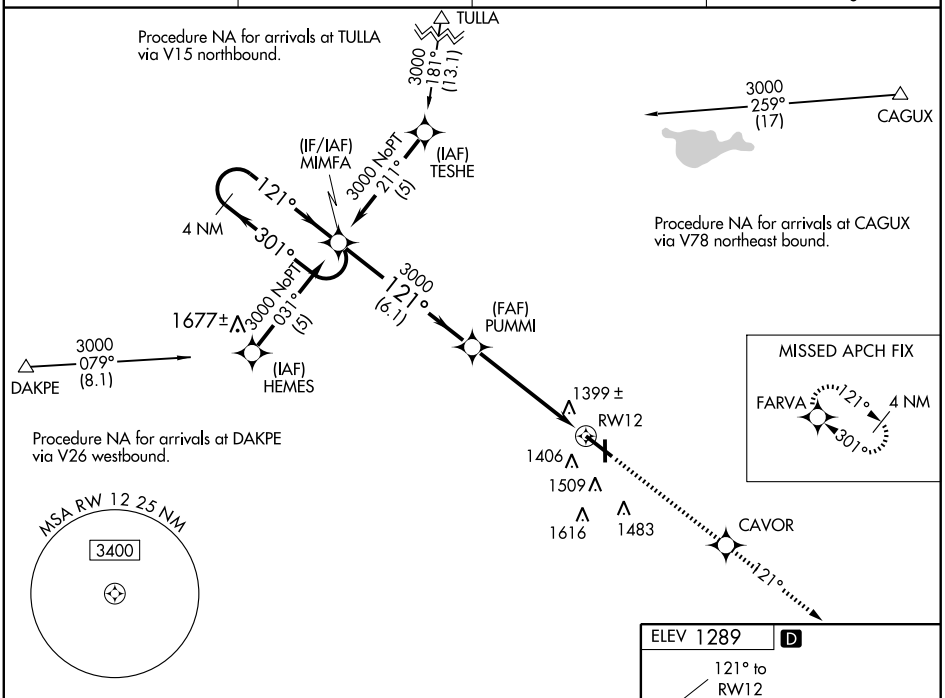
RNAV (GPS) RWY 12
HURON RGNL (HON)

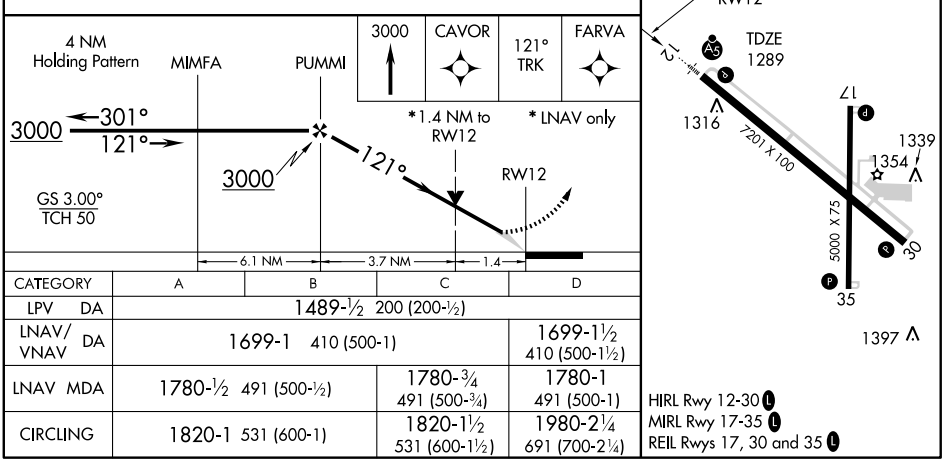
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Mitchell Muni altimeter setting. When local altimeter setting not received, use Mitchell Muni altimeter setting and increase all DA 89 feet and all MDA 100 feet. Increase LNAV/VNAV all Cats, LNAV and Circling Cat C/D visibility ¼ mile. For inoperative MALSR when using Mitchell Muni altimeter setting increase LPV all Cats visibility to 1 mile.

MALSR

MISSED APPROACH: Climb to 3000 direct CAVOR and via 121° track to FARVA and hold.

ASOS	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
118.125	**126.25 339.8**	**123.6** (CTAF)	**123.0** L





CATEGORY	A	B	C	D
LPV DA	1489-½ 200 (200-½)			
LNAV/VNAV DA	1699-1 410 (500-1)			1699-1½ 410 (500-1½)
LNAV MDA	1780-½ 491 (500-½)		1780-¾ 491 (500-¾)	1780-1 491 (500-1)
CIRCLING	1820-1 531 (600-1)		1820-1½ 531 (600-1½)	1980-2¼ 691 (700-2¼)

HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 17, 30 and 35 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

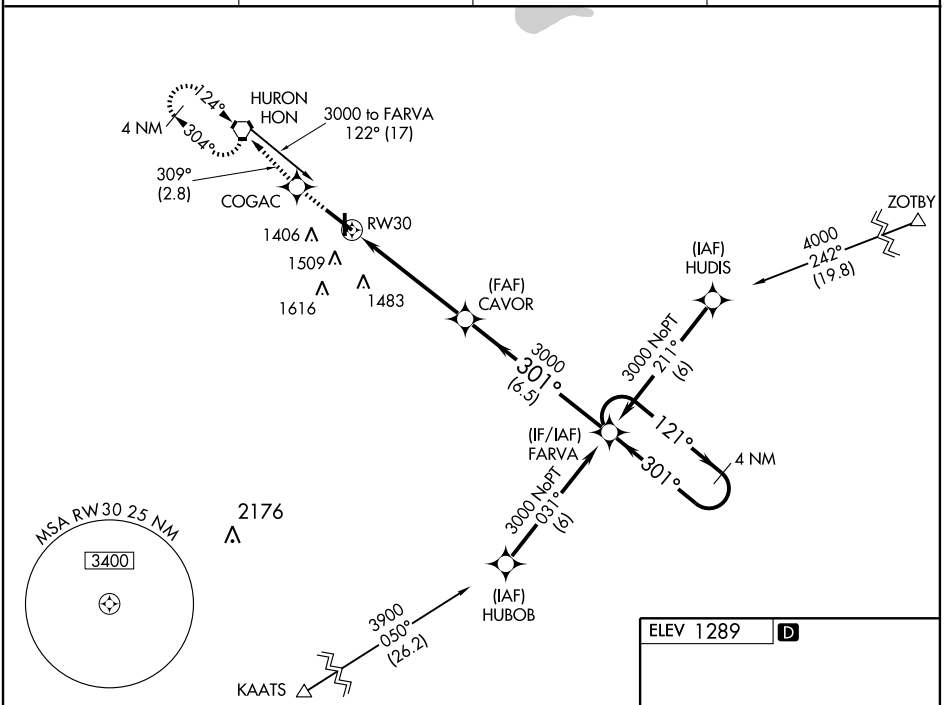
WAAS CH 77514 W30A	APP CRS 301°	Rwy ldg 7201 TDZE 1286 Apt Elev 1289

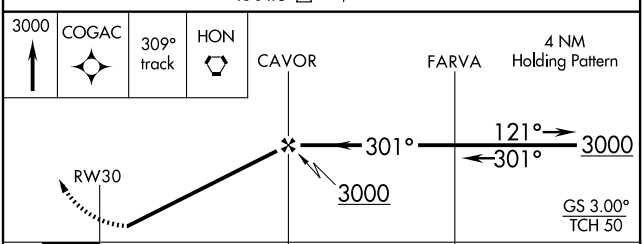
RNAV (GPS) RWY 30
HURON RGNL (HON)

DME/DME RNP - 0.3 NA. When local altimeter setting not received, use Mitchell Muni altimeter setting and increase all DA 89 feet and all MDA 100 feet, increase LPV and LNAV/VNAV all Cats C/D, and Circling Cats C/D visibility ¼ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (114°F). Baro-VNAV NA when using Mitchell Muni altimeter setting.

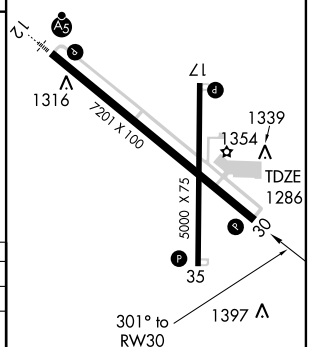
MISSED APPROACH: Climb to 3000 direct COGAC and via 309° track to HON VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
118.125	126.25 339.8	123.6 (CTAF)	123.0 L





CATEGORY	A	B	C	D
LPV DA	1559-1 273 (300-1)			
LNAV/VNAV DA	1721-1½ 435 (500-1½)			
LNAV MDA	1760-1 474 (500-1)		1760-1¼ 474 (500-1¼)	1760-1½ 474 (500-1½)
CIRCLING	1820-1 531 (600-1)		1820-1½ 531 (600-1½)	1980-2¼ 691 (700-2¼)



HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 17, 30 and 35 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC HON 117.6 Chan 123	APP CRS 124°	Rwy ldg 7201 TDZE 1289 Apt Elev 1289

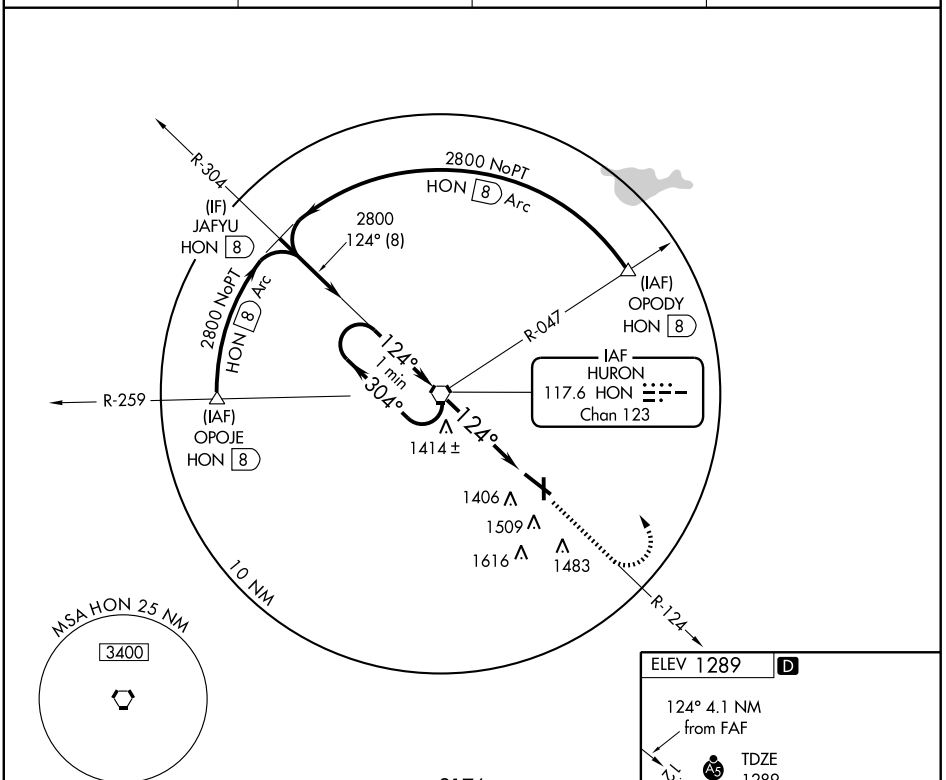
VOR RWY 12
HURON RGNL (HON)

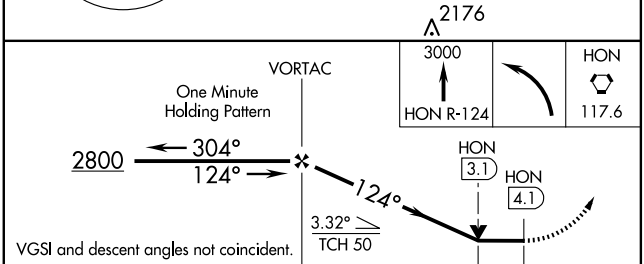
When local altimeter setting not received, use Mitchell Muni altimeter setting and increase all MDA 100 feet, increase S-12 Cat C visibility ¼ mile and circling Cats C and D ¼ mile. For inoperative MALSR increase S-12 Cat D visibility 1¼ mile. VDP NA when using Mitchell Muni altimeter setting.

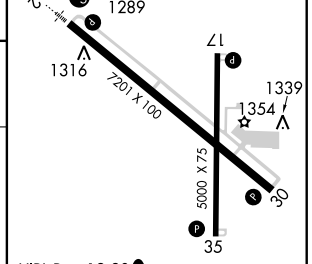
MALSR

MISSED APPROACH: Climb to 3000 via HON VORTAC R-124 then left turn direct HON VORTAC and hold.

ASOS	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
118.125	126.25 339.8	123.6 (CTAF)	123.0 L







CATEGORY	A	B	C	D
S-12	1680-½ 391 (400-½)			1680-1 391 (400-1)
CIRCLING	1820-1 531 (600-1)		1820-1½ 531 (600-1½)	1980-2¼ 691 (700-2¼)

FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

LAKE ANDES MUNI (8D8) 1 S UTC−6(−5DT) N43°08.88′ W98°32.42′ **OMAHA**

1475 NOTAM FILE HON

RWY 12–30: 2600X250 (TURF)

RWY 12: Road. **RWY 30:** P-line.

AIRPORT REMARKS: Unattended. Arpt clsd for night ops. Wildlife on and invof arpt. Rwy 12 and Rwy 30 have black/yellow metal A-frame markers.

COMMUNICATIONS: CTAF 122.9

LAKE PRESTON MUNI (Y34) 0 SW UTC−6(−5DT) N44°21.44′ W97°23.09′ **OMAHA**

1725 B NOTAM FILE HON

RWY 12–30: 2220X250 (TURF) LIRL

RWY 12: Fence. **RWY 30:** Road.

AIRPORT REMARKS: Unattended. Arpt CLOSED Nov 1–Apr 1 ctc arpt manager 605–847–4402 for PPR. Birds on and invof arpt. Rwy 12–30 marked with yellow and black metal A–frame markers. ACTIVATE LIRL Rwy 12–30—122.8.

COMMUNICATIONS: CTAF 122.9

LEMMON MUNI (LEM) 3 SE UTC−7(−6DT) N45°55.12′ W102°06.37′ **BILLINGS**

2571 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–14F**

RWY 11–29: H4501X75 (ASPH) S–12.5 MIRL **IAP**

RWY 11: PAPI(P2L)—GA 3.0° TCH 25′. Road. **RWY 29:** PAPI(P2L)—GA 3.0° TCH 25′.

RWY 07–25: 3300X120 (TURF)

AIRPORT REMARKS: Unattended. For fuel call 605–374–5281. ACTIVATE MIRL Rwy 11–29, PAPI Rwys 11 and 29—CTAF.

WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.

COMMUNICATIONS: CTAF/UNICOM 122.8

MINNEAPOLIS CENTER APP/DEP CON 124.25

RADIO AIDS TO NAVIGATION: NOTAM FILE DIK.

DICKINSON (H) VORTACW 112.9 DIK Chan 76 N46°51.60′ W102°46.41′ 140° 62.9 NM to fld. 2520/14E. **HIWAS.**

(T) VORW 111.4 LEM N45°55.19′ W102°06.22′ at fld. (VFR Use Only) NOTAM FILE HON. Unmonitored. Out of svc indefinitely.

LICAN N44°48.20′ W97°09.01′ NOTAM FILE ATY. **TWIN CITIES**

NDB (LOM) 215 AT 352° 6.7 NM to Watertown Rgnl.

MADISON MUNI (MDS) 1 NE UTC−6(−5DT) N44°00.98′ W97°05.14′ **OMAHA**

1718 B S4 **FUEL** 100LL, JET A, MOGAS NOTAM FILE HON **H–2I, L–12H**

RWY 15–33: H5000X75 (ASPH–CONC) S–12.5 MIRL **IAP**

RWY 15: REIL. PAPI(P4L)—GA 3.0° TCH 37′. Silo.

RWY 33: REIL. PAPI(P4L)—GA 3.0° TCH 37′. Trees.

RWY 03–21: 2400X200 (TURF)

AIRPORT REMARKS: Attended Mon–Sat 1400–0000Z‡. Ultra–light activity on and invof arpt. Rwy 03–21 CLOSED 1 Nov–1 Apr except with PPR call 605–256–9774. Rwy 03–21 marked with black and white cones. ACTIVATE MIRL Rwy 15–33 and REIL Rwy 15 and Rwy 33—CTAF.

WEATHER DATA SOURCES: AWOS–3 118.35 (605) 427–9380.

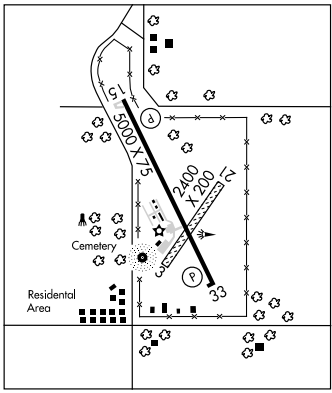
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ **MINNEAPOLIS CENTER APP/DEP CON** 132.05

RADIO AIDS TO NAVIGATION: NOTAM FILE FSD.

SIOUX FALLS (H) VORTACW 115.0 FSD Chan 97 N43°38.97′ W96°46.87′ 320° 25.7 NM to fld. 1570/9E. **HIWAS.**

WENTWORTH NDB (MHW) 400 MDS N44°00.80′ W97°05.31′ at fld. NOTAM FILE HON. NDB unmonitored.



MARV SKIE–LINCOLN CO (See TEA)

APP CRS	Rwy ldg	4501
296°	TDZE	2571
	Apt Elev	2571

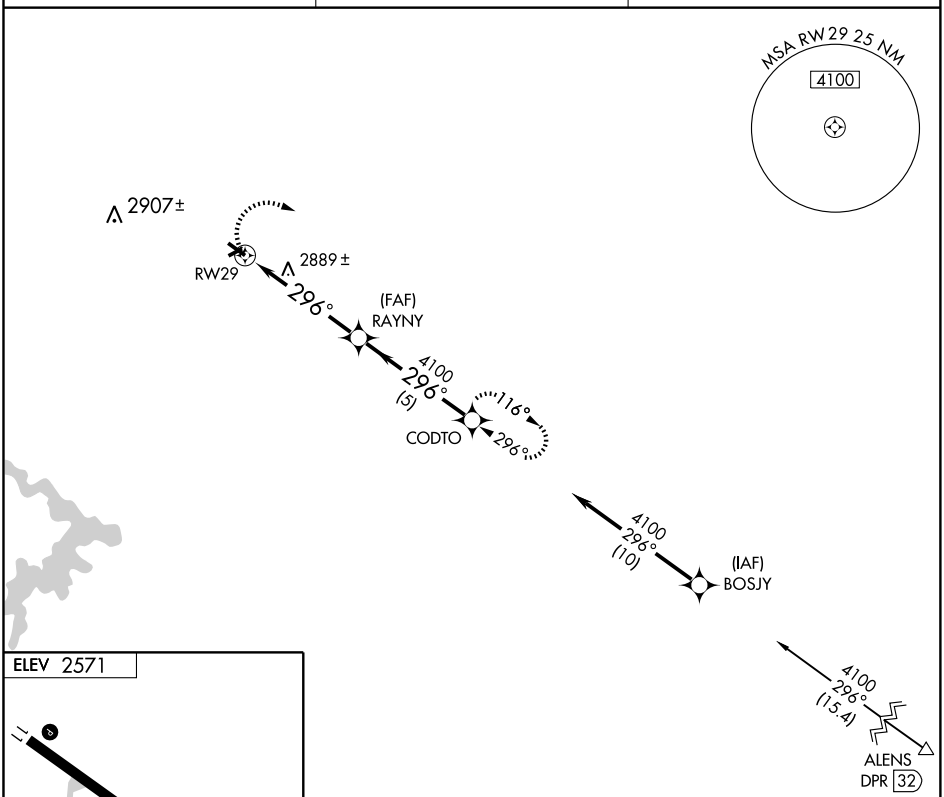
GPS RWY 29
LEMMON MUNI (LEM)

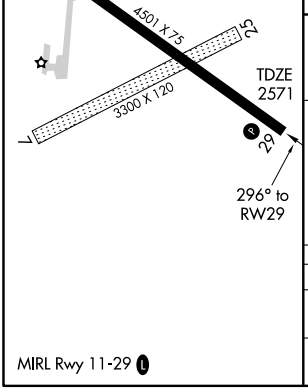
NA

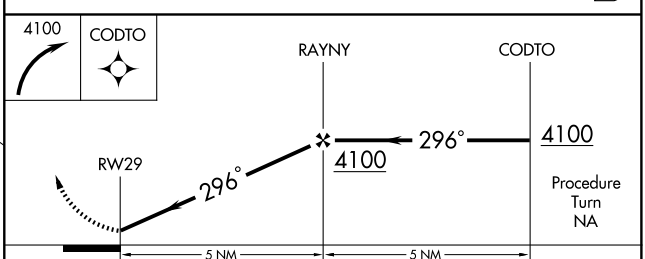
Use Hettinger altimeter setting.

MISSED APPROACH: Climbing right turn to 4100 direct CODTO and hold.

AWOS-A	MINNEAPOLIS CENTER	UNICOM
122.8	124.25 380.3	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-29	3220-1	649 (700-1)	3220-1¾ 649 (700-1¾)	3220-2 649 (700-2)
CIRCLING	3220-1	649 (700-1)	3280-2 709 (800-2)	3280-2¼ 709 (800-2¼)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

LAKE ANDES MUNI (8D8) 1 S UTC−6(−5DT) N43°08.88′ W98°32.42′ **OMAHA**

1475 NOTAM FILE HON

RWY 12–30: 2600X250 (TURF)

RWY 12: Road. **RWY 30:** P-line.

AIRPORT REMARKS: Unattended. Arpt clsd for night ops. Wildlife on and invof arpt. Rwy 12 and Rwy 30 have black/yellow metal A-frame markers.

COMMUNICATIONS: CTAF 122.9

LAKE PRESTON MUNI (Y34) 0 SW UTC−6(−5DT) N44°21.44′ W97°23.09′ **OMAHA**

1725 B NOTAM FILE HON

RWY 12–30: 2220X250 (TURF) LIRL

RWY 12: Fence. **RWY 30:** Road.

AIRPORT REMARKS: Unattended. Arpt CLOSED Nov 1–Apr 1 ctc arpt manager 605–847–4402 for PPR. Birds on and invof arpt. Rwy 12–30 marked with yellow and black metal A–frame markers. ACTIVATE LIRL Rwy 12–30—122.8.

COMMUNICATIONS: CTAF 122.9

LEMMON MUNI (LEM) 3 SE UTC−7(−6DT) N45°55.12′ W102°06.37′ **BILLINGS**

2571 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–14F**

RWY 11–29: H4501X75 (ASPH) S–12.5 MIRL **IAP**

RWY 11: PAPI(P2L)—GA 3.0° TCH 25′. Road. **RWY 29:** PAPI(P2L)—GA 3.0° TCH 25′.

RWY 07–25: 3300X120 (TURF)

AIRPORT REMARKS: Unattended. For fuel call 605–374–5281. ACTIVATE MIRL Rwy 11–29, PAPI Rwys 11 and 29—CTAF.

WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.

COMMUNICATIONS: CTAF/UNICOM 122.8

MINNEAPOLIS CENTER APP/DEP CON 124.25

RADIO AIDS TO NAVIGATION: NOTAM FILE DIK.

DICKINSON (H) VORTACW 112.9 DIK Chan 76 N46°51.60′ W102°46.41′ 140° 62.9 NM to fld. 2520/14E. **HIWAS.**

(T) VORW 111.4 LEM N45°55.19′ W102°06.22′ at fld. (VFR Use Only) NOTAM FILE HON. Unmonitored. Out of svc indefinitely.

LICAN N44°48.20′ W97°09.01′ NOTAM FILE ATY. **TWIN CITIES**

NDB (LOM) 215 AT 352° 6.7 NM to Watertown Rgnl.

MADISON MUNI (MDS) 1 NE UTC−6(−5DT) N44°00.98′ W97°05.14′ **OMAHA**

1718 B S4 **FUEL** 100LL, JET A, MOGAS NOTAM FILE HON **H–2I, L–12H**

RWY 15–33: H5000X75 (ASPH–CONC) S–12.5 MIRL **IAP**

RWY 15: REIL. PAPI(P4L)—GA 3.0° TCH 37′. Silo.

RWY 33: REIL. PAPI(P4L)—GA 3.0° TCH 37′. Trees.

RWY 03–21: 2400X200 (TURF)

AIRPORT REMARKS: Attended Mon–Sat 1400–0000Z‡. Ultra–light activity on and invof arpt. Rwy 03–21 CLOSED 1 Nov–1 Apr except with PPR call 605–256–9774. Rwy 03–21 marked with black and white cones. ACTIVATE MIRL Rwy 15–33 and REIL Rwy 15 and Rwy 33—CTAF.

WEATHER DATA SOURCES: AWOS–3 118.35 (605) 427–9380.

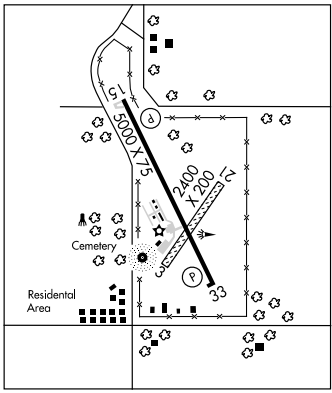
COMMUNICATIONS: CTAF/UNICOM 122.8

Ⓡ **MINNEAPOLIS CENTER APP/DEP CON** 132.05

RADIO AIDS TO NAVIGATION: NOTAM FILE FSD.

SIOUX FALLS (H) VORTACW 115.0 FSD Chan 97 N43°38.97′ W96°46.87′ 320° 25.7 NM to fld. 1570/9E. **HIWAS.**

WENTWORTH NDB (MHW) 400 MDS N44°00.80′ W97°05.31′ at fld. NOTAM FILE HON. NDB unmonitored.



MARV SKIE–LINCOLN CO (See TEA)

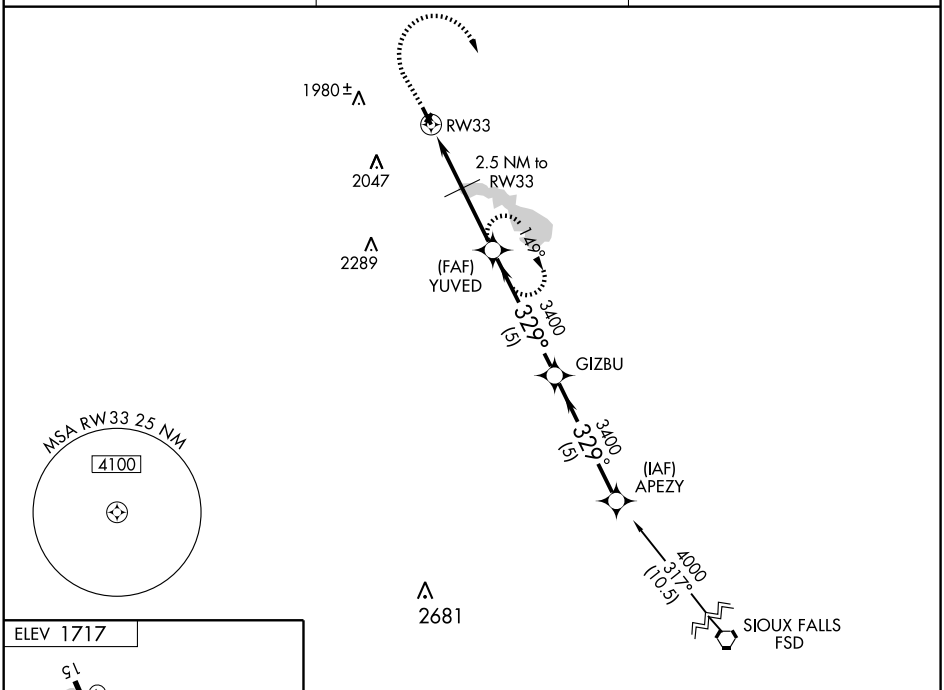
APP CRS	Rwy ldg	5000
329°	TDZE	1714
	Apt Elev	1717

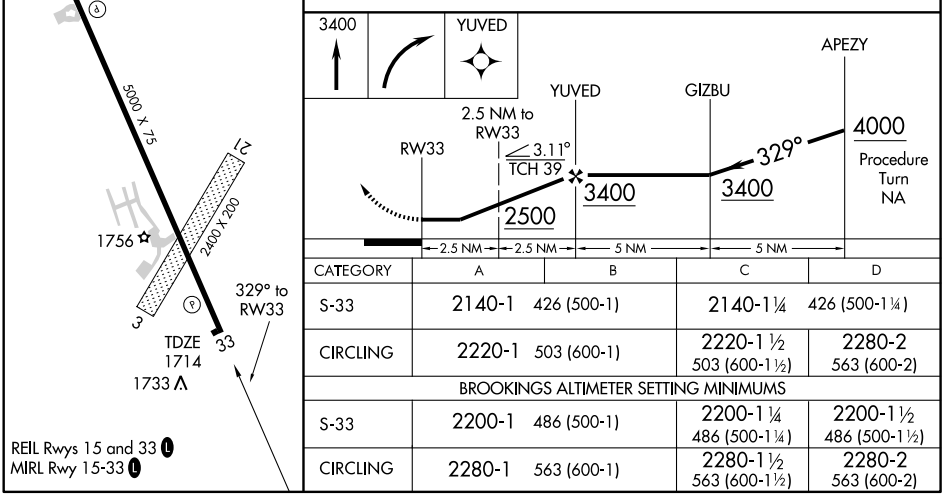
GPS RWY 33
MADISON MUNI (MDS)

NA Category D Circling not authorized west of Rwy 15-33. Obtain local altimeter setting on CTAF; when not received, use Brookings altimeter setting.

MISSED APPROACH: Climb to 3400 then right turn direct YUVED WP and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.35	**132.05 317.4**	**122.8** (CTAF) L





CATEGORY	A	B	C	D
S-33	2140-1	426 (500-1)	2140-1¼	426 (500-1¼)
CIRCLING	2220-1	503 (600-1)	2220-1½ 503 (600-1½)	2280-2 563 (600-2)
BROOKINGS ALTIMETER SETTING MINIMUMS				
S-33	2200-1	486 (500-1)	2200-1¼ 486 (500-1¼)	2200-1½ 486 (500-1½)
CIRCLING	2280-1	563 (600-1)	2280-1½ 563 (600-1½)	2280-2 563 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

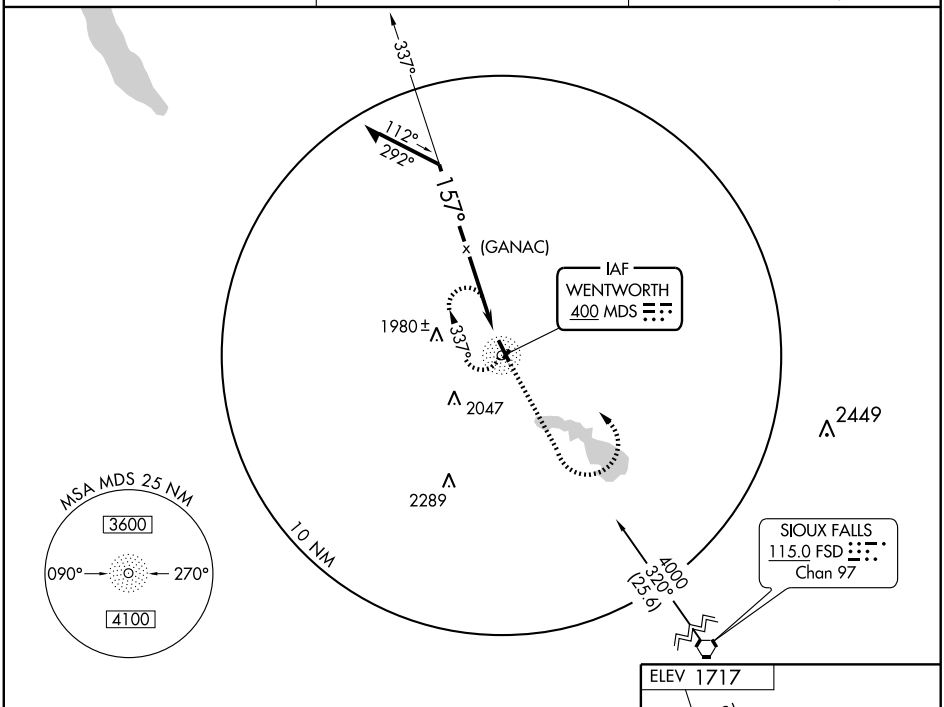
NDB MDS	APP CRS	Rwy ldg	5000
400	157°	TDZE	1717
		Apt Elev	1717

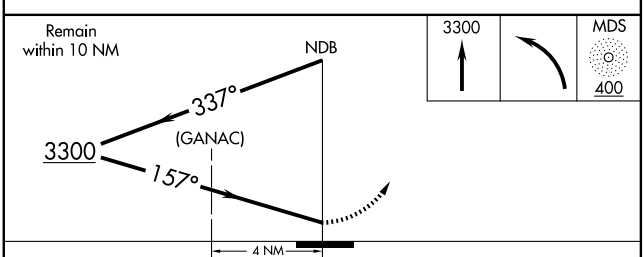
NDB or GPS RWY 15
MADISON MUNI (MDS)

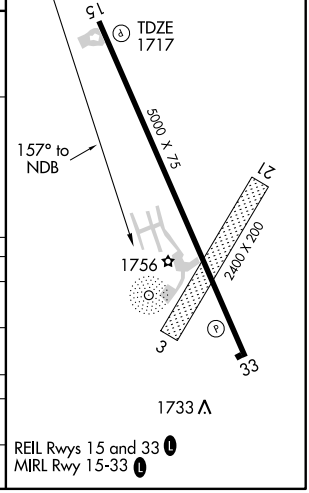
NA Category D Circling not authorized west of Rwy 15-33. Obtain local altimeter setting on CTAF; when not received, use Brookings altimeter setting.

MISSED APPROACH: Climb to 3300 then left turn direct MDS NDB and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
118.35	132.05 317.4	122.8 (CTAF) L







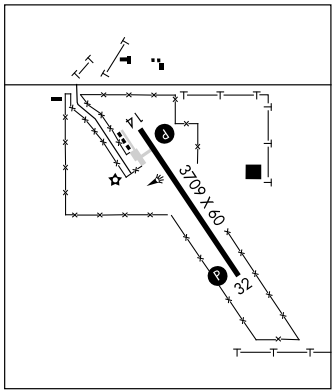
REIL Rwys 15 and 33 L
MIRL Rwy 15-33 L

CATEGORY	A	B	C	D
S-15	2280-1	563 (600-1)	2280-1½ 563 (600-1½)	2280-1¾ 563 (600-1¾)
CIRCLING	2280-1	563 (600-1)	2280-1½ 563 (600-1½)	2280-2 563 (600-2)
BROOKINGS ALTIMETER SETTING MINIMUMS				
S-15	2340-1	623 (700-1)	2340-1¾ 623 (700-1¾)	2340-2 623 (700-2)
CIRCLING	2340-1	623 (700-1)	2340-1¾ 623 (700-1¾)	2340-2 623 (700-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

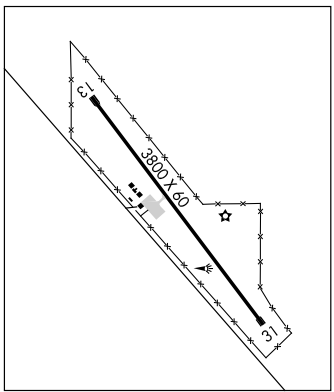
NC-1, 21 OCT 2010 to 18 NOV 2010

MARTIN MUNI (9V6) 1 SE UTC−7(−6DT) N43°09.94′ W101°42.76′ **CHEYENNE**
3293 B S2 NOTAM FILE HON **L–12G**
RWY 14–32: H3709X60 (ASPH) S–9 MIRL 0.4% up NW **IAP**
RWY 14: PAPI(P2L)—GA 3.0 TCH 25′. Road.
RWY 32: PAPI (P2L)—GA 3.0 TCH 25′.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. ACTIVATE MIRL Rwy 14–32 and PAPI Rwy 14 and Rwy 32—122.9.
COMMUNICATIONS: CTAF/UNICOM 123.0
DENVER CENTER APP/DEP CON 127.95
RADIO AIDS TO NAVIGATION: NOTAM FILE PHP.
PHILIP (L) VORW/DME 108.4 PHP Chan 21 N44°03.50′ W101°39.85′ 170° 53.5 NM to fld. 2340/12E. **HIWAS.**



McINTOSH MUNI (8D6) 1 S UTC−7(−6DT) N45°54.50′ W101°20.77′ **BILLINGS**
2251 B NOTAM FILE HON
RWY 14–32: 3700X150 (TURF–GRVL) LIRL
RWY 14: Trees.
AIRPORT REMARKS: Unattended. Arpt CLOSED winter months due to lack of snow removal, call arpt manager on 605–273–4210 for arpt conditions. Rwy 14–32 turf rwy is rough due to heavy amount of rodent holes. Large prairie dog town adjacent to arpt. Condition of strip is monitored. Rwy 14–32 center 50′ portion is turf/aggregate. Rwy 14 marked with yellow and black metal A-frame markers. Rwy 32 marked with yellow and black metal A–frame markers. ACTIVATE LIRL Rwy 14–32 key 122.8 5 times.
COMMUNICATIONS: CTAF 122.9

Mc LAUGHLIN MUNI (5P2) 2 SE UTC−7(−6DT) N45°47.81′ W100°47.06′ **TWIN CITIES**
2006 B S4 NOTAM FILE HON **L–14F**
RWY 13–31: H3800X60 (ASPH–AFSC) S–12.5 LIRL
RWY 13: Fence.
AIRPORT REMARKS: Unattended. ACTIVATE LIRL Rwy 13–31—CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE BIS.
BISMARCK (L) VORW/DME 116.5 BIS Chan 112 N46°45.71′ W100°39.92′ 173° 58.1 NM to fld. 1841/12E. **HIWAS.**



APP CRS	Rwy ldg	3709
317°	TDZE	3293
	Apt Elev	3293

GPS RWY 32
MARTIN MUNI (9V6)

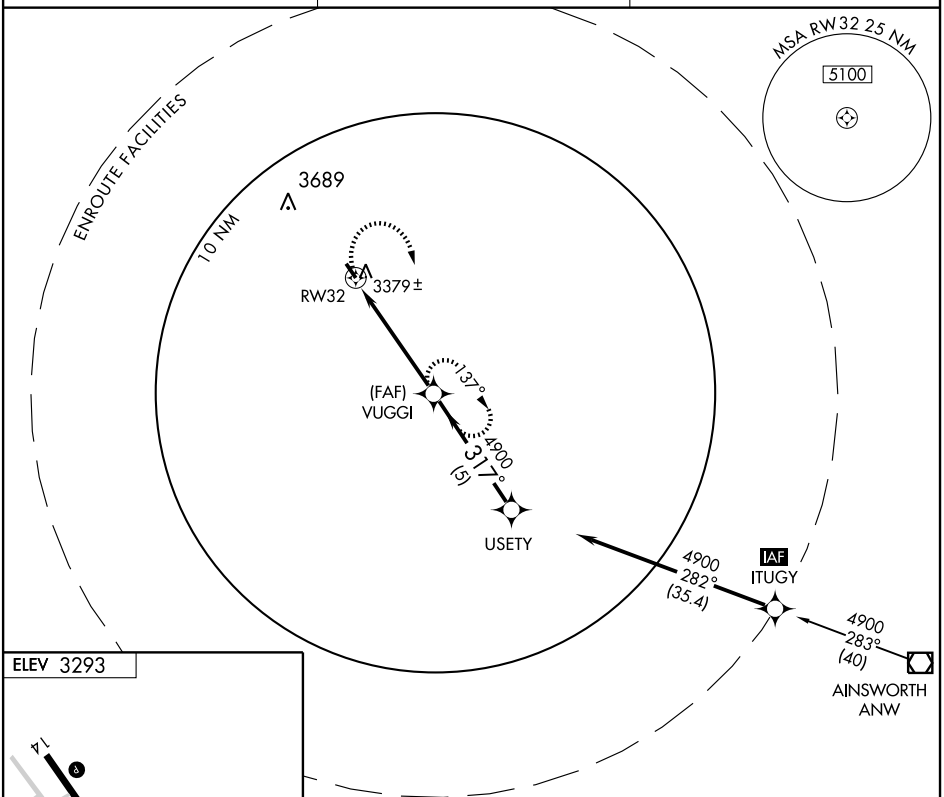
NA

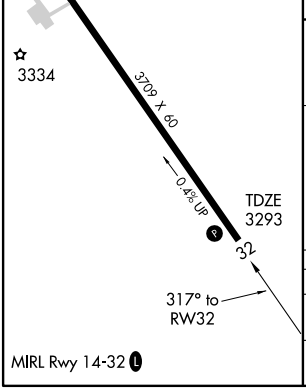
Use Pine Ridge, SD altimeter setting.

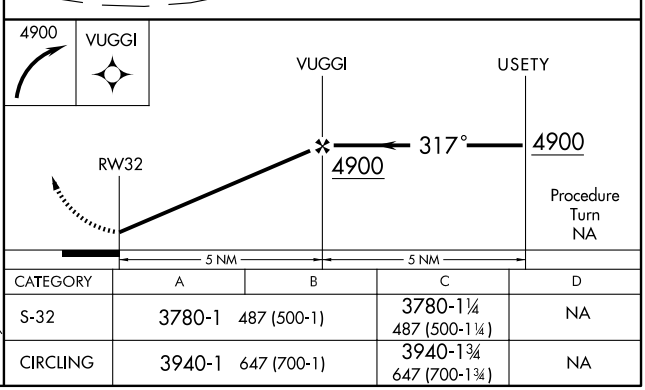
IAF ARM APPROACH MODE PRIOR TO IAF.

MISSED APPROACH: Climbing right turn to 4900 direct VUGGI WP and hold.

DENVER CENTER	UNICOM	
127.95 338.2	123.0 (CTAF)	122.9 L







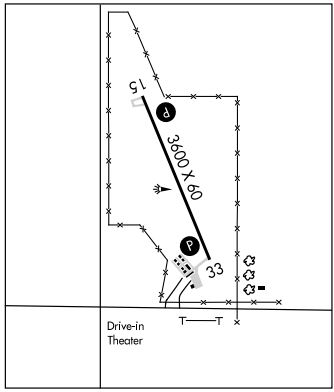
CATEGORY	A	B	C	D
S-32	3780-1 487 (500-1)		3780-1¼ 487 (500-1¼)	NA
CIRCLING	3940-1 647 (700-1)		3940-1¾ 647 (700-1¾)	NA

NC-1, 21 OCT 2010 to 18 NOV 2010

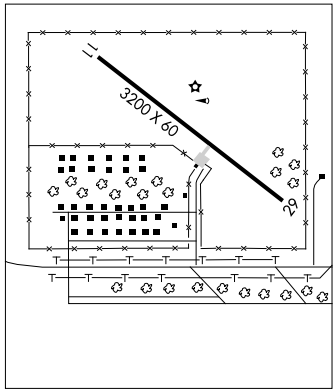
NC-1, 21 OCT 2010 to 18 NOV 2010

MILBANK MUNI (1D1) 3 E UTC−6(−5DT) N45°13.83′ W96°33.97′ **TWIN CITIES**
1118 B S2 **FUEL** 100LL. JET A NOTAM FILE HON **L–12I, 14H**
RWY 13–31: H4000X60 (CONC) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 37′. **RWY 31:** PAPI(P2L)—GA 3.0° TCH 36′. Road.
RWY 07–25: 3607X150 (TURF)
RWY 07: Fence.
AIRPORT REMARKS: Attended Mon–Fri 1500–2100Z‡. Unattended holidays. Fuel avbl 24 hrs with credit card. Rwy 07–25 CLOSED winter months. Ultralight on and invof arpt. Rwy 07–25 marked with black and orange 'A' frames. ACTIVATE MIRL Rwy 13–31 —CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 128.5
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
WATERTOWN (L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 049° 28.7 NM to fld. 1762/9E.
HIWAS.

MILLER MUNI (MKA) 2 E UTC−6(−5DT) N44°31.52′ W98°57.49′ **TWIN CITIES**
1569 S2 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 15–33: H3600X60(ASPH) MIRL 0.3% up SE **IAP**
RWY 15: PAPI(P2L)—GA 3.0° TCH 40′.
RWY 33: PAPI(P2L)—GA 3.0° TCH 35′. Pole.
AIRPORT REMARKS: Attended intermittently. For fuel call 605–853–2497, 871–3833. ACTIVATE MIRL Rwy 15–33 and PAPI Rwy 15 and Rwy 33—122.8.
WEATHER DATA SOURCES: AWOS–A 122.9 (617) 262–3825.
COMMUNICATIONS: CTAF 122.9
MINNEAPOLIS CENTER APP/DEP CON 125.1.
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
HURON (L) VORTAC 117.6 HON Chan 123 N44°26.40′ W98°18.66′ 271° 28.3 NM to fld. 1300/10E.



MISSION SIOUX (ØV6) 2 E UTC−6(−5DT) N43°18.42′ W100°37.69′ **OMAHA**
2605 B NOTAM FILE HON **L–12G**
RWY 11–29: H3200X60 (ASPH–AFSC) S–12.5 LIRL
RWY 11: Fence **RWY 29:** Road.
AIRPORT REMARKS: Unattended. ACTIVATE LIRL Rwy 11–29—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE ANW.
AINSWORTH (L) VORW/DME 112.7 ANW Chan 74 N42°34.15′ W99°59.38′ 319° 52.5 NM to fld. 2582/9E. **HIWAS.**



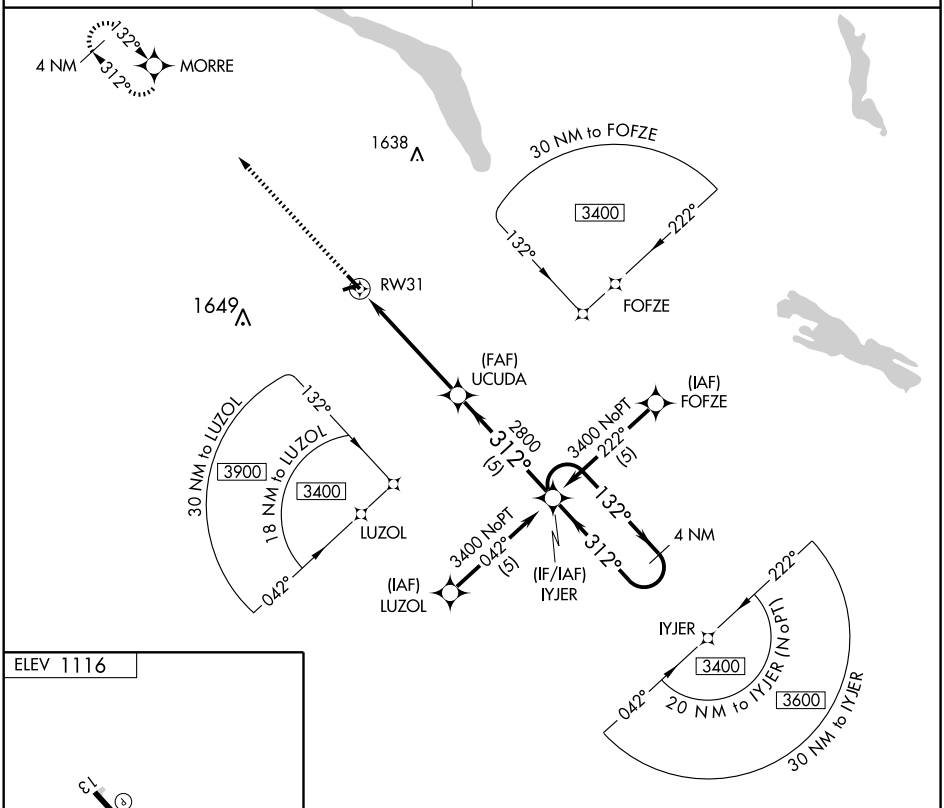
APP CRS	Rwy ldg	4000
312°	TDZE	1114
	Apt Elev	1116

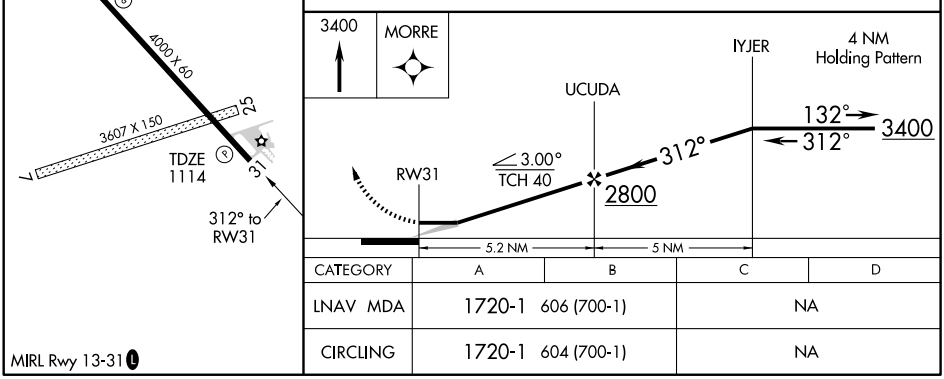
RNAV (GPS) RWY 31
MILBANK MUNI (1D1)

Use Watertown Muni, SD altimeter setting.
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3400 direct MORRE WP and hold.

MINNEAPOLIS CENTER	UNICOM
128.5 306.2	122.8 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	1720-1 606 (700-1)		NA	
CIRCLING	1720-1 604 (700-1)		NA	

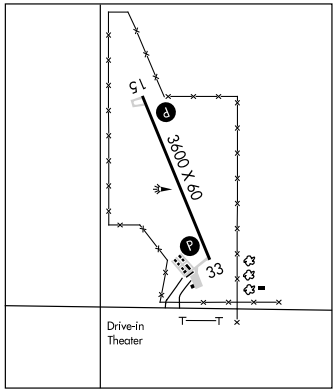
MIRL Rwy 13-31

NC-1, 21 OCT 2010 to 18 NOV 2010

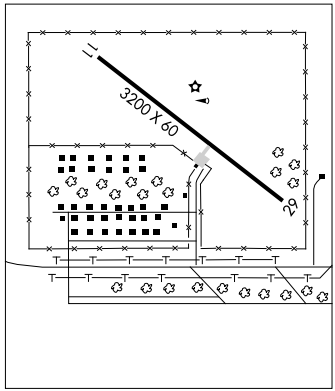
NC-1, 21 OCT 2010 to 18 NOV 2010

MILBANK MUNI (1D1) 3 E UTC−6(−5DT) N45°13.83′ W96°33.97′ **TWIN CITIES**
1118 B S2 **FUEL** 100LL. JET A NOTAM FILE HON **L–12I, 14H**
RWY 13–31: H4000X60 (CONC) S–12.5 MIRL **IAP**
RWY 13: PAPI(P2L)—GA 3.0° TCH 37′. **RWY 31:** PAPI(P2L)—GA 3.0° TCH 36′. Road.
RWY 07–25: 3607X150 (TURF)
RWY 07: Fence.
AIRPORT REMARKS: Attended Mon–Fri 1500–2100Z‡. Unattended holidays. Fuel avbl 24 hrs with credit card. Rwy 07–25 CLOSED winter months. Ultralight on and invof arpt. Rwy 07–25 marked with black and orange 'A' frames. ACTIVATE MIRL Rwy 13–31 —CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
MINNEAPOLIS CENTER APP/DEP CON 128.5
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
WATERTOWN (L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 049° 28.7 NM to fld. 1762/9E.
HIWAS.

MILLER MUNI (MKA) 2 E UTC−6(−5DT) N44°31.52′ W98°57.49′ **TWIN CITIES**
1569 S2 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 15–33: H3600X60(ASPH) MIRL 0.3% up SE **IAP**
RWY 15: PAPI(P2L)—GA 3.0° TCH 40′.
RWY 33: PAPI(P2L)—GA 3.0° TCH 35′. Pole.
AIRPORT REMARKS: Attended intermittently. For fuel call 605–853–2497, 871–3833. ACTIVATE MIRL Rwy 15–33 and PAPI Rwy 15 and Rwy 33—122.8.
WEATHER DATA SOURCES: AWOS–A 122.9 (617) 262–3825.
COMMUNICATIONS: CTAF 122.9
MINNEAPOLIS CENTER APP/DEP CON 125.1.
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
HURON (L) VORTAC 117.6 HON Chan 123 N44°26.40′ W98°18.66′ 271° 28.3 NM to fld. 1300/10E.



MISSION SIOUX (ØV6) 2 E UTC−6(−5DT) N43°18.42′ W100°37.69′ **OMAHA**
2605 B NOTAM FILE HON **L–12G**
RWY 11–29: H3200X60 (ASPH–AFSC) S–12.5 LIRL
RWY 11: Fence **RWY 29:** Road.
AIRPORT REMARKS: Unattended. ACTIVATE LIRL Rwy 11–29—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE ANW.
AINSWORTH (L) VORW/DME 112.7 ANW Chan 74 N42°34.15′ W99°59.38′ 319° 52.5 NM to fld. 2582/9E. **HIWAS.**



APP CRS	Rwy ldg	3600
151°	TDZE	1567
	Apt Elev	1569

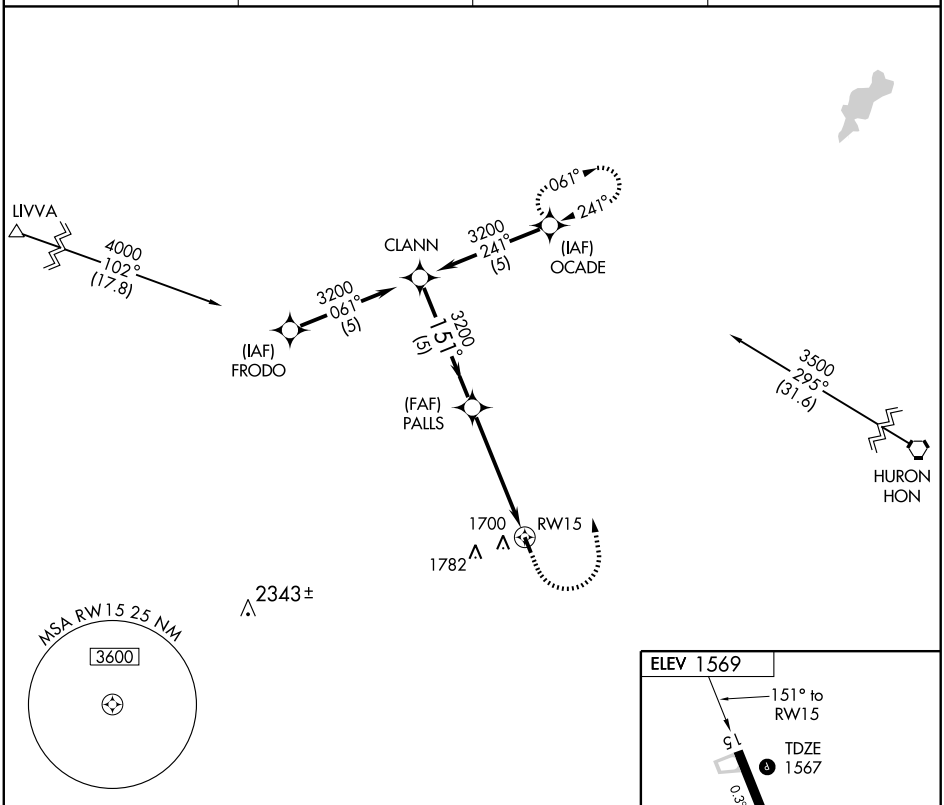
GPS RWY 15
MILLER MUNI (MKA)

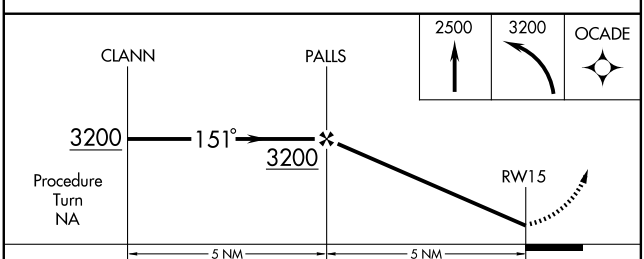
T
A NA

Use Huron altimeter setting.

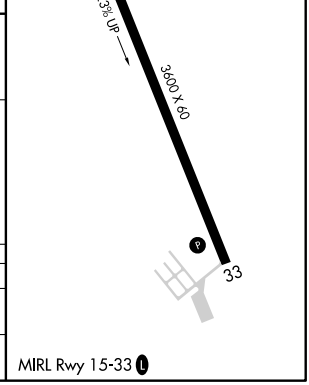
MISSED APPROACH: Climb to 2500 then climbing left turn to 3200 direct OCADE WP and hold.

AWOS-A	MINNEAPOLIS CENTER	CTAF	
122.9	125.1 269.1	122.9	122.8 L





CATEGORY	A	B	C	D
S-15	2040-1 473 (500-1)		NA	
CIRCLING	2180-1 611 (700-1)	2220-1 651 (700-1)	NA	



NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	3600
331°	TDZE	1569
	Apt Elev	1569

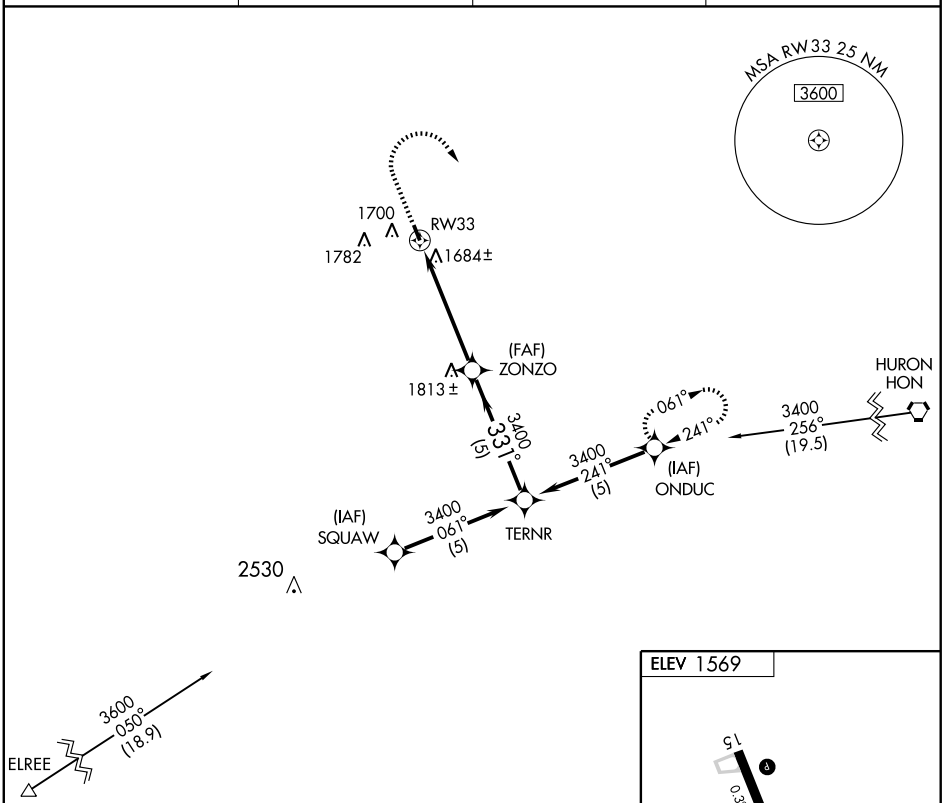
GPS RWY 33
MILLER MUNI (MKA)

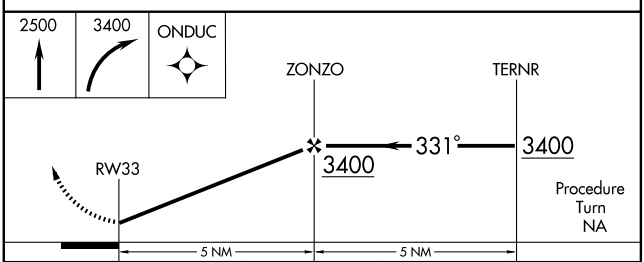
NA

Use Huron altimeter setting.

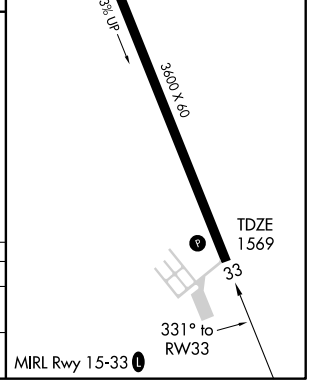
MISSED APPROACH: Climb to 2500 then climbing right turn to 3400 direct ONDUC WP and hold.

AWOS-A	MINNEAPOLIS CENTER	CTAF	122.8 L
122.9	125.1 269.1	122.9	





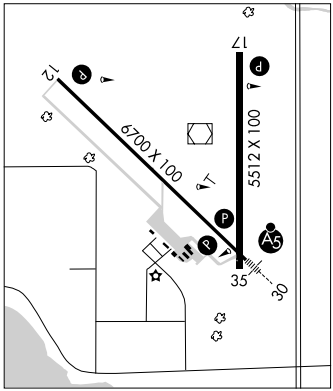
CATEGORY	A	B	C	D
S-33	2060-1 491 (500-1)		NA	
CIRCLING	2180-1 611 (700-1)	2220-1 651 (700-1)	NA	



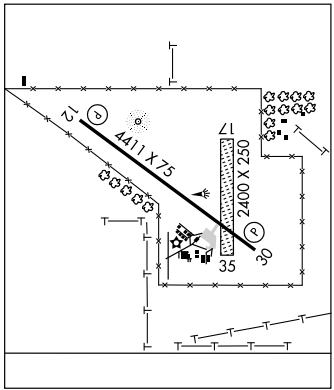
NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

MITCHELL MUNI (MHE) 3 N UTC−6(−5DT) N43°46.49′ W98°02.32′ **OMAHA**
1304 B S4 **FUEL** 100LL, JET A NOTAM FILE MHE **H–2I, L–12H**
RWY 12–30: H6700X100 (ASPH) S–55, D–90, 2S–114, 2D–120 HIRL **IAP**
RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 50′.
RWY 30: MALSR. PAPI(P4L)—GA 3.0° TCH 60′.
RWY 17–35: H5512X100 (ASPH–PFC) S–35, D–90, 2S–114, 2D–110 MIRL 0.4% up S
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 50′.
RWY 35: PAPI(P4L)—GA 3.0° TCH 50′.
AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant other hrs call 605–996–1228. Fuel avbl 24 hrs a day. Ultralight activity on and invof arpt. Migratory birds on and invof arpt. ACTIVATE HIRL Rwy 12–30, MIRL Rwy 17–35, MALSR Rwy 30, REIL Rwy 12 and Rwy 17, PAPI Rwy 12, 30, 17 and 35—CTAF.
WEATHER DATA SOURCES: ASOS 124.175 (605) 995–5803. **HIWAS** 109.2 MHE.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.3 (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE MHE.
(L) VORW/DME 109.2 MHE Chan 29 N43°46.62′ W98°02.25′ at fld. 1301/7E. **HIWAS.**
ILS 109.7 I–LPA Rwy 30. GS unusable for auto pilot coupled approaches blo 2174′ MSL.



MOBRIDGE MUNI (MBG) 1 NE UTC−6(−5DT) N45°32.78′ W100°24.38′ **TWIN CITIES**
1716 B S4 **FUEL** 100LL, JET A, MOGAS NOTAM FILE MBG **L–14F**
RWY 12–30: H4411X75 (ASPH) S–12.5 MIRL **IAP**
RWY 12: PAPI(P2L)—GA 3.0° TCH 31′. Ground.
RWY 30: PAPI(P2R)—GA 3.0° TCH 31′. P-line.
RWY 17–35: 2400X250 (TURF) 1.0% up N
RWY 17: Road.
AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant other hrs call 605–845–2977. Rwy 17–35 CLOSED winter months. ACTIVATE MIRL Rwy 12–30—CTAF.
WEATHER DATA SOURCES: ASOS 121.425 (605) 845–2056.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.35 (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
DUPREE (H) VORTACW 116.8 DPR Chan 115 N45°04.69′ W101°42.91′ 053° 62.1 NM to fld. 2530/10E. **HIWAS.**
RIVERBEND NDB (MHW) 407 RVB N45°32.99′ W100°24.61′ at fld. NOTAM FILE MBG. NDB unmonitored.



LOC I-LPA	APP CRS	Rwy ldg	6700
109.7	307°	TDZE	1304
		Apt Elev	1304

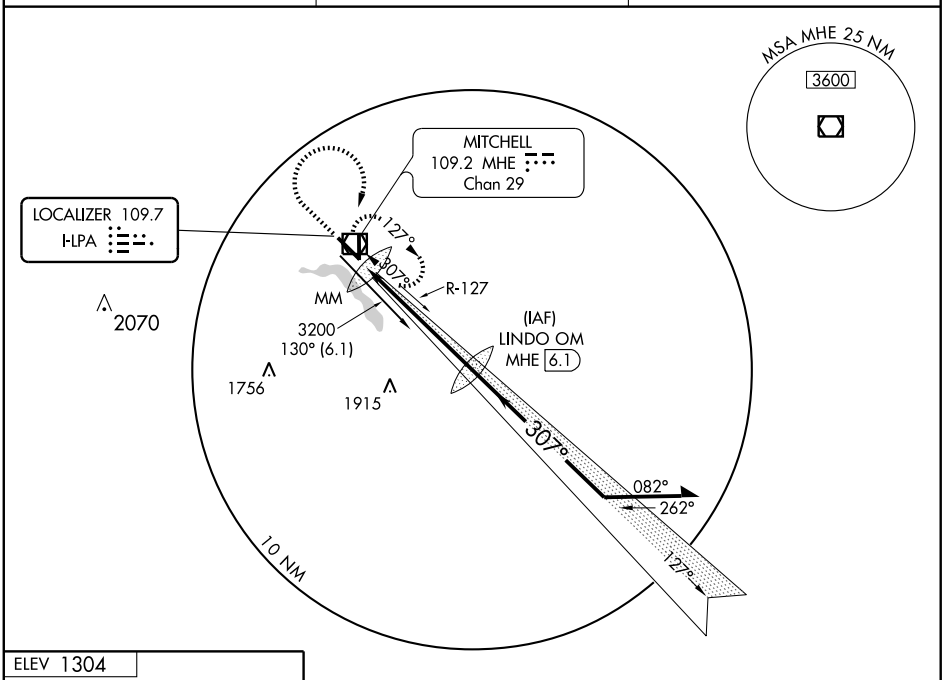
ILS or LOC RWY 30
MITCHELL MUNI (MHE)

NA Autopilot coupled approach NA below 2174 MSL.

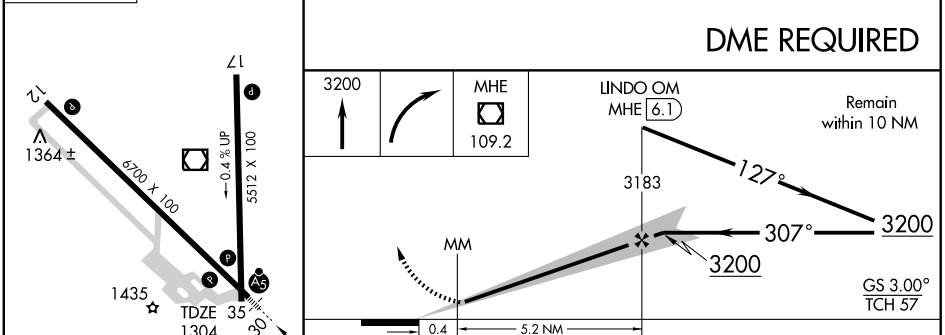
MALSR

MISSED APPROACH: Climb to 3200 then right turn direct MHE VOR/DME and hold.

ASOS	HURON RADIO	UNICOM
124.175	122.3	122.8 (CTAF)



DME REQUIRED



FAF to MAP 5.6 NM					
Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

CATEGORY	A	B	C	D
S-ILS 30	1504-½ 200 (200-½)			
S-LOC 30	1700-½ 396 (400-½)			1700-¾ 396 (400-¾)
CIRCLING	1740-1 436 (500-1)	1760-1 456 (500-1)	1760-1½ 456 (500-1½)	1860-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

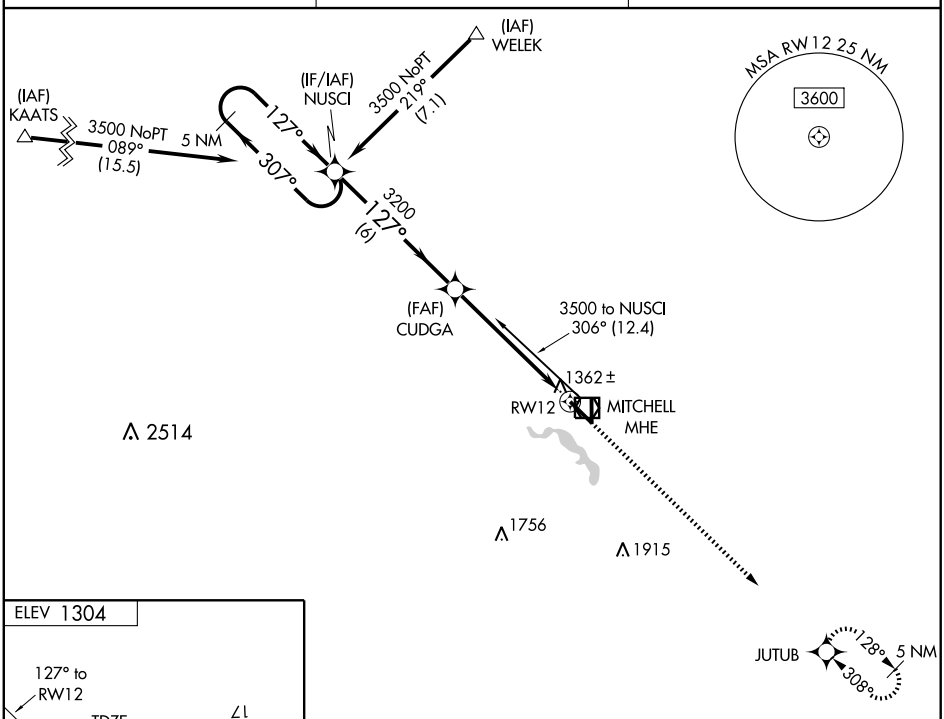
WAAS CH 77900 W12A	APP CRS 127°	Rwy ldg 6700 TDZE 1301 Apt Elev 1304

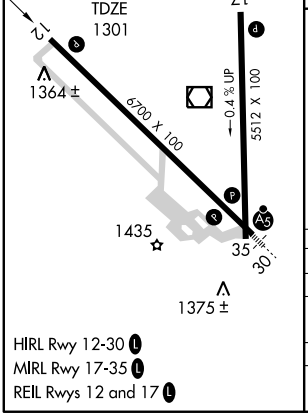
RNAV (GPS) RWY 12
MITCHELL MUNI (MHE)

DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (115°F).
VDP and Baro VNAV NA with Huron Rgnl altimeter setting.
If local altimeter setting not received, use Huron Rgnl altimeter setting and increase all DAs/MDAs 100 feet.

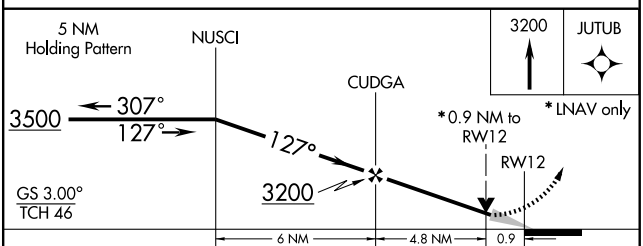
MISSED APPROACH: Climb to 3200 direct JUTUB and hold.

ASOS	HURON RADIO	UNICOM
124.175	122.3	122.8 (CTAF) L





HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 12 and 17 L



CATEGORY	A	B	C	D
LPV DA	1575-1 274 (300-1)			
LNAV/VNAV DA	1627-1¼ 326 (400-1¼)			
LNAV MDA	1620-1 319 (400-1)			
CIRCLING	1740-1¼ 436 (500-1¼)	1760-1¼ 456 (500-1¼)	1760-1½ 456 (500-1½)	1860-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH 70700 W30A	APP CRS 307°	Rwy ldg 6700 TDZE 1304 Apt Elev 1304

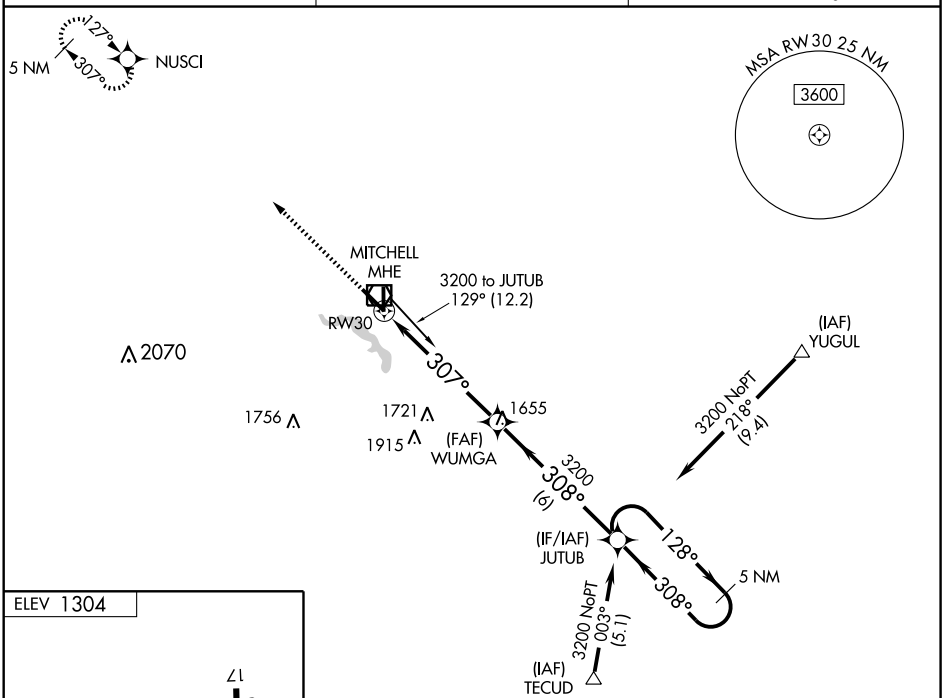
RNAV (GPS) RWY 30
MITCHELL MUNI (MHE)

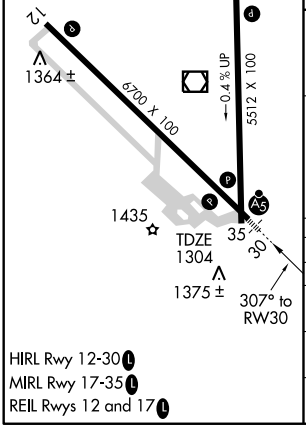
If local altimeter setting not received, use Huron Rgnl altimeter setting and increase all DAs/MDAs 100 feet.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 46°C (115°F).
For inoperative MALSR, increase LPV all Cats. visibility to ¾, and LNAV/VNAV Cat. D to 1. DME/DME RNP- 0.3 NA.
VDP and Baro-VNAV NA with Huron Rgnl altimeter setting.

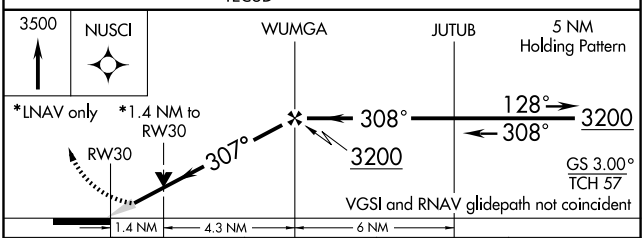
MALSR

MISSED APPROACH: Climb to 3500 direct NUSCI and hold.

ASOS	HURON RADIO	UNICOM
124.175	122.3	122.8 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1554-½ 250 (300-½)			
LNAV/VNAV DA	1625-½ 321 (400-½)			1625-¾ 321 (400-¾)
LNAV MDA	1800-½ 496 (500-½)		1800-¾ 496 (500-¾)	1800-1 496 (500-1)
CIRCLING	1800-1 496 (500-1)		1800-1½ 496 (500-1½)	1860-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

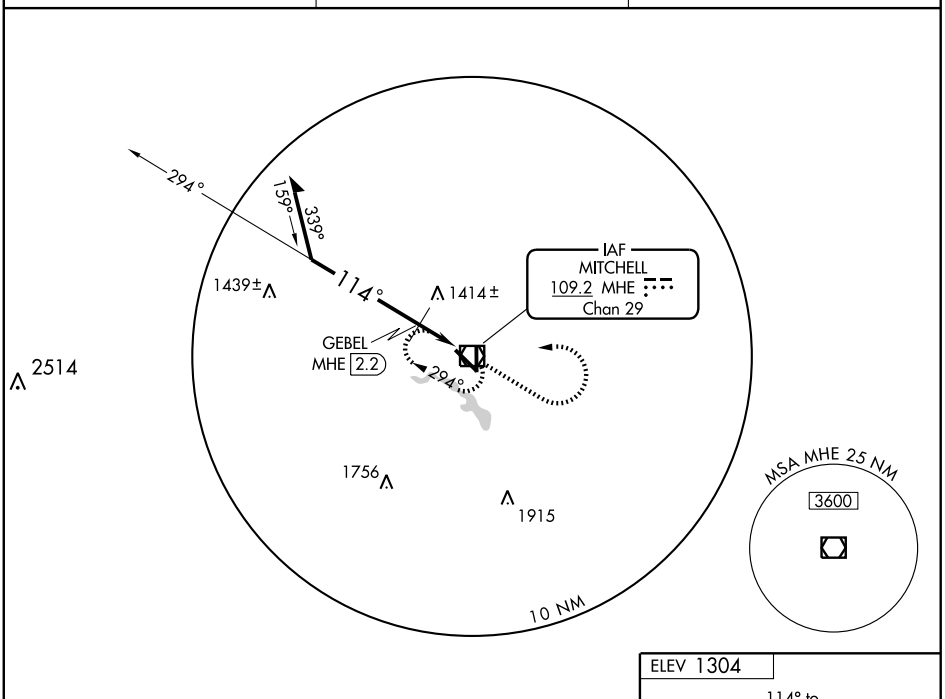
VOR/DME MHE 109.2 Chan 29	APP CRS 114°	Rwy ldg 6700 TDZE 1301 Apt Elev 1304

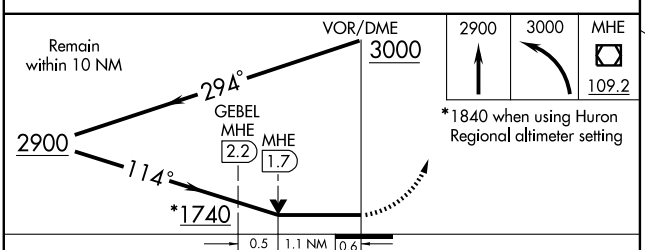
VOR RWY 12
MITCHELL MUNI (MHE)

If local altimeter setting not received, use Huron Rgnl altimeter setting and increase all MDAs 100 feet.
VDP NA when using Huron Rgnl altimeter setting.

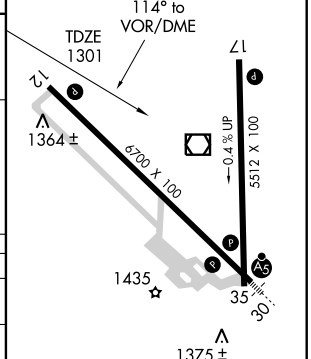
MISSED APPROACH: Climb to 2900 then climbing left turn to 3000 direct MHE VOR/DME and hold.

ASOS	HURON RADIO	UNICOM
124.175	122.3	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-12	1740-1 439 (500-1)		1740-1¼ 439 (500-1¼)	1740-1½ 439 (500-1½)
CIRCLING	1740-1 436 (500-1)	1760-1 456 (500-1)	1760-1½ 456 (500-1½)	1860-2 556 (600-2)
GEBEL FIX MINIMUMS				
S-12	1680-1 379 (400-1)			1680-1¼ 379 (400-1¼)
CIRCLING	1740-1 436 (500-1)	1760-1 456 (500-1)	1760-1½ 456 (500-1½)	1860-2 556 (600-2)



HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 12 and 17 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VOR/DME MHE 109.2 Chan 29	APP CRS 322°	Rwy ldg 6700 TDZE 1304 Apt Elev 1304

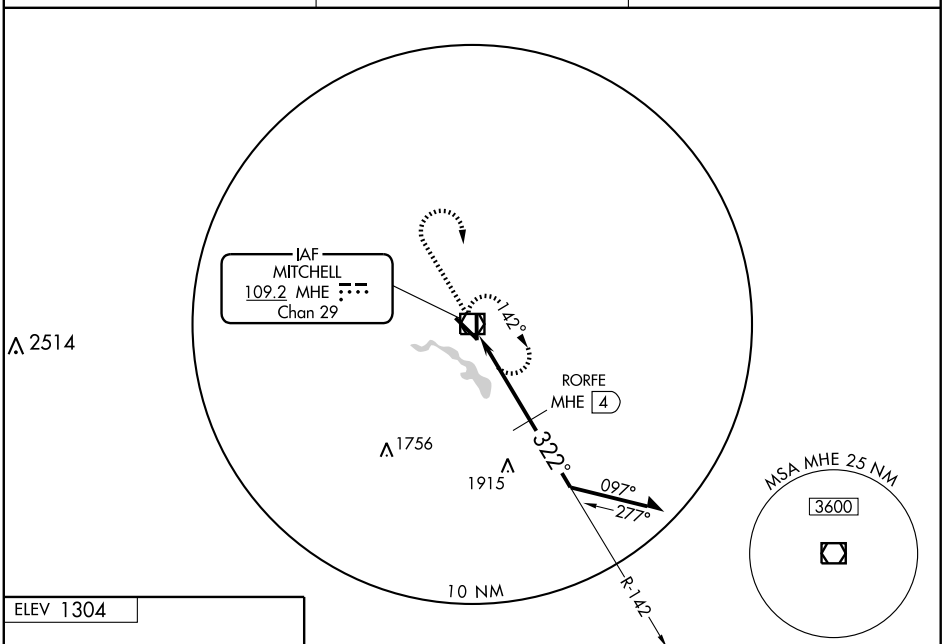
VOR RWY 30
MITCHELL MUNI (MHE)

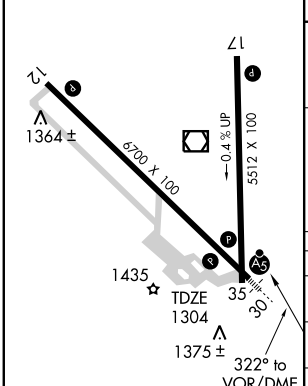
If local altimeter setting not received, use Huron Rgnl altimeter setting and increase all MDAs 100 feet.
VOR MINIMUMS: Inoperative table does not apply to S-30 Cats. C and D. RORFE FIX MINIMUMS: For inoperative MALSR, increase S-30 Cat. D visibility to 1¼ mile.
VDP NA when using Huron Rgnl altimeter setting.

MALSR

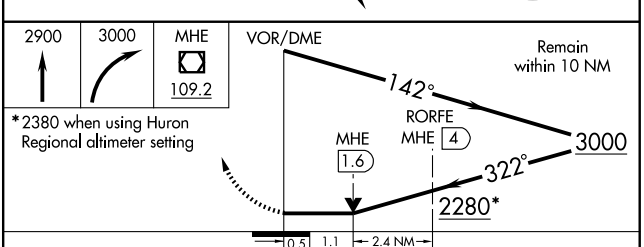
MISSED APPROACH: Climb to 2900 then climbing right turn to 3000 direct MHE VOR/DME and hold.

ASOS	HURON RADIO	UNICOM
124.175	122.3	122.8 (CTAF) L





HIRL Rwy 12-30 L
MIRL Rwy 17-35 L
REIL Rwys 12 and 17 L



*2380 when using Huron Regional altimeter setting

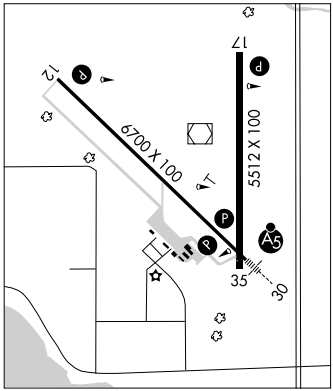
CATEGORY	A	B	C	D
S-30	2280-¾ 976 (1000-¾)	2280-1 976 (1000-1)	2280-3 976 (1000-3)	
CIRCLING	2280-1¼ 976 (1000-1¼)	2280-1½ 976 (1000-1½)	2280-3 976 (1000-3)	

RORFE FIX MINIMUMS				
S-30	1700-½ 396 (400-½)			1700-1 396 (400-1)
CIRCLING	1740-1 436 (500-1)	1760-1 456 (500-1)	1760-1½ 456 (500-1½)	1860-2 556 (600-2)

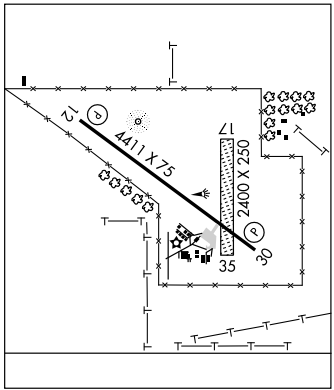
NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

MITCHELL MUNI (MHE) 3 N UTC−6(−5DT) N43°46.49′ W98°02.32′ **OMAHA**
1304 B S4 **FUEL** 100LL, JET A NOTAM FILE MHE **H–2I, L–12H**
RWY 12–30: H6700X100 (ASPH) S–55, D–90, 2S–114, 2D–120 HIRL **IAP**
RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 50′.
RWY 30: MALSR. PAPI(P4L)—GA 3.0° TCH 60′.
RWY 17–35: H5512X100 (ASPH–PFC) S–35, D–90, 2S–114, 2D–110 MIRL 0.4% up S
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 50′.
RWY 35: PAPI(P4L)—GA 3.0° TCH 50′.
AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant other hrs call 605–996–1228. Fuel avbl 24 hrs a day. Ultralight activity on and invof arpt. Migratory birds on and invof arpt. ACTIVATE HIRL Rwy 12–30, MIRL Rwy 17–35, MALSR Rwy 30, REIL Rwy 12 and Rwy 17, PAPI Rwy 12, 30, 17 and 35—CTAF.
WEATHER DATA SOURCES: ASOS 124.175 (605) 995–5803. **HIWAS** 109.2 MHE.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.3 (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE MHE.
(L) VORW/DME 109.2 MHE Chan 29 N43°46.62′ W98°02.25′ at fld. 1301/7E. **HIWAS.**
ILS 109.7 I–LPA Rwy 30. GS unusable for auto pilot coupled approaches blo 2174′ MSL.



MOBRIDGE MUNI (MBG) 1 NE UTC−6(−5DT) N45°32.78′ W100°24.38′ **TWIN CITIES**
1716 B S4 **FUEL** 100LL, JET A, MOGAS NOTAM FILE MBG **L–14F**
RWY 12–30: H4411X75 (ASPH) S–12.5 MIRL **IAP**
RWY 12: PAPI(P2L)—GA 3.0° TCH 31′. Ground.
RWY 30: PAPI(P2R)—GA 3.0° TCH 31′. P-line.
RWY 17–35: 2400X250 (TURF) 1.0% up N
RWY 17: Road.
AIRPORT REMARKS: Attended 1400–0000Z‡. For attendant other hrs call 605–845–2977. Rwy 17–35 CLOSED winter months. ACTIVATE MIRL Rwy 12–30—CTAF.
WEATHER DATA SOURCES: ASOS 121.425 (605) 845–2056.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.35 (HURON RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
DUPREE (H) VORTACW 116.8 DPR Chan 115 N45°04.69′ W101°42.91′ 053° 62.1 NM to fld. 2530/10E. **HIWAS.**
RIVERBEND NDB (MHW) 407 RVB N45°32.99′ W100°24.61′ at fld. NOTAM FILE MBG. NDB unmonitored.



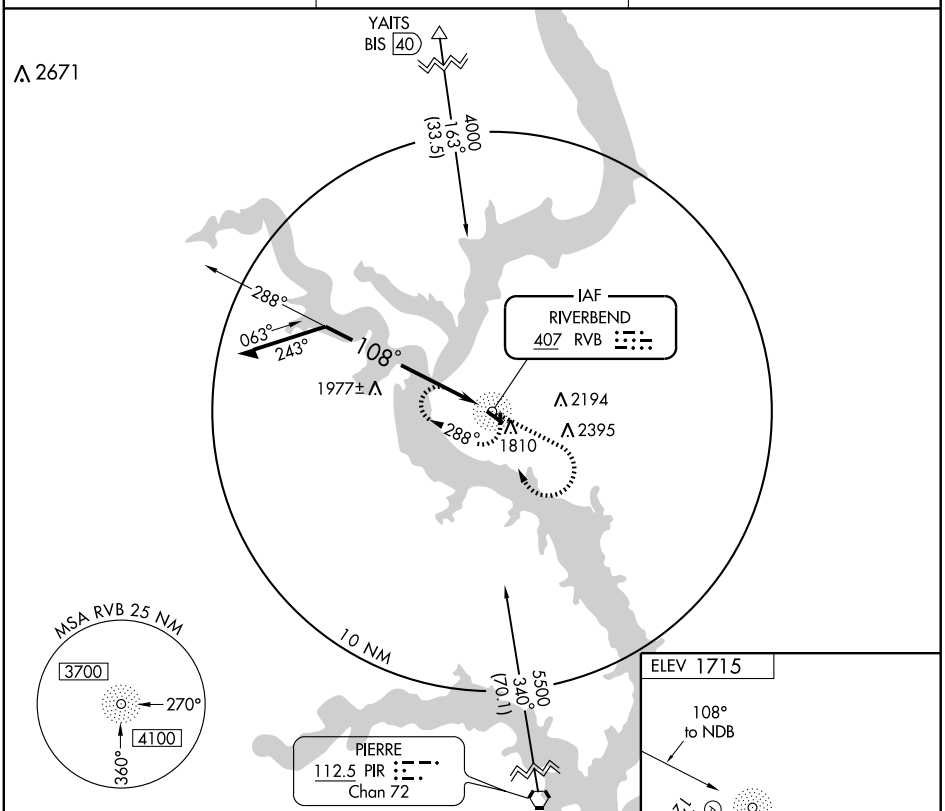
NDB RVB	APP CRS	Rwy ldg	4411
407	108°	TDZE	1703
		Apt Elev	1715

NDB RWY 12
MOBRIDGE MUNI (MBG)

NA If local altimeter setting not received, use Pierre Rgnl altimeter setting and increase all MDAs 180 feet.

MISSED APPROACH: Climb to 3600 then right turn direct RVB NDB and hold.

ASOS	HURON RADIO	UNICOM
121.425	122.35	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-12	2340-1	637 (700-1)	2340-1¾ 637 (700-1¾)	2340-2 637 (700-2)
CIRCLING	2360-1	645 (700-1)	2360-1¾ 645 (700-1¾)	2560-2¾ 845 (900-2¾)

MIRL Rwy 12-30 L

NC-1, 21 OCT 2010 to 18 NOV 2010

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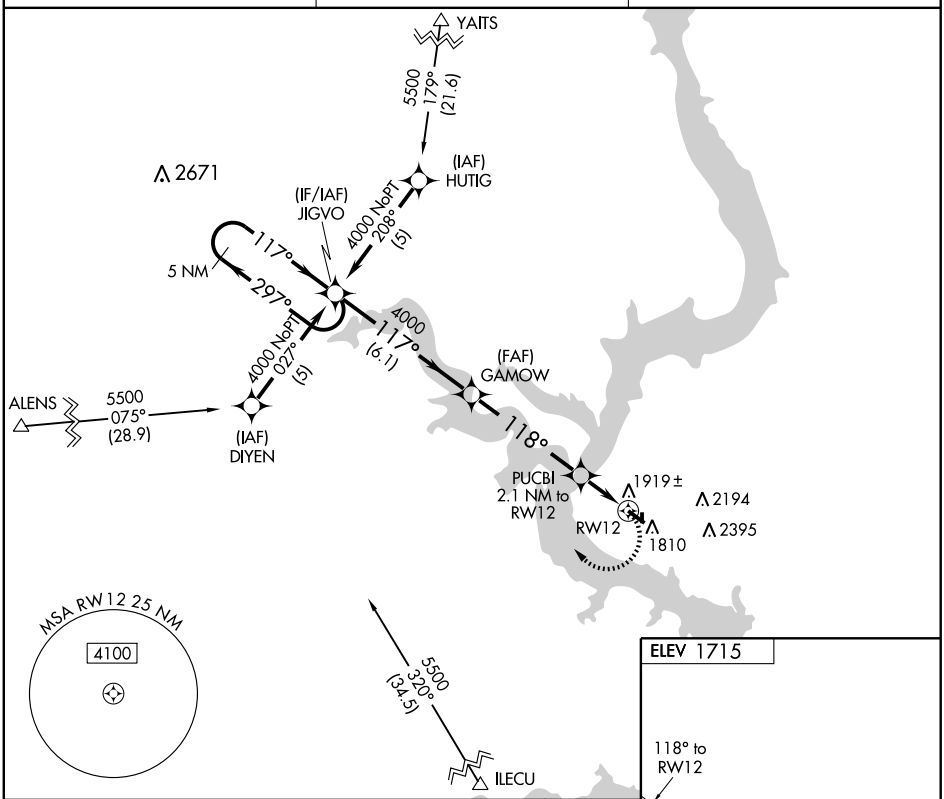
APP CRS	Rwy ldg	4411
118°	TDZE	1703
	Apt Elev	1715

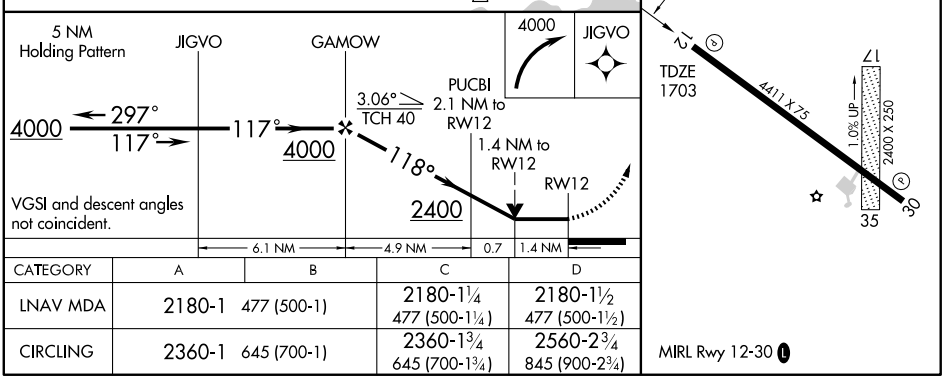
RNAV (GPS) RWY 12
MOBRIDGE MUNI (MBG)

DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.
If local altimeter setting not received, use Pierre Rgnl altimeter setting and increase all MDAs 180 feet.

MISSED APPROACH: Climbing right turn to 4000 direct JIGVO and hold.

ASOS	HURON RADIO	UNICOM
121.425	122.35	122.8 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	2180-1 477 (500-1)		2180-1¼ 477 (500-1¼)	2180-1½ 477 (500-1½)
CIRCLING	2360-1 645 (700-1)		2360-1¾ 645 (700-1¾)	2560-2¾ 845 (900-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

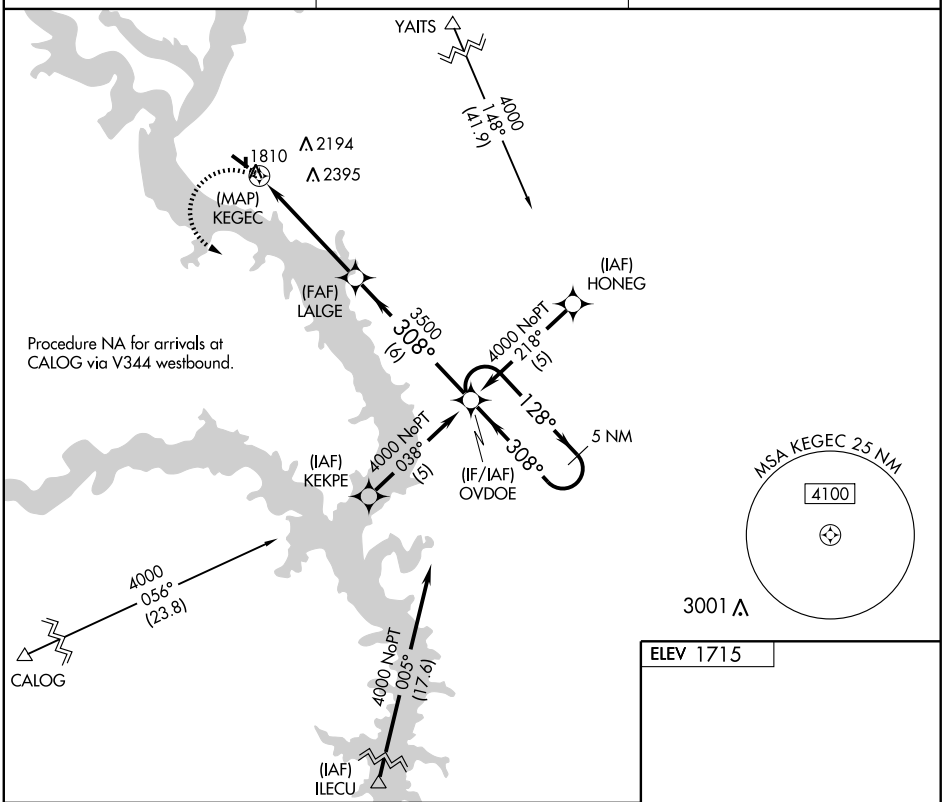
APP CRS	Rwy ldg	4411
308°	TDZE	1703
	Apt Elev	1715

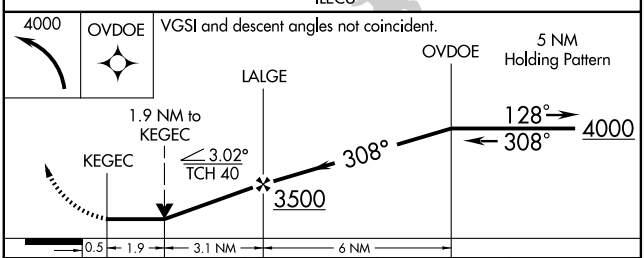
RNAV (GPS) RWY 30
MOBRIDGE MUNI (MBG)

DME/DME RNP- 0.3 NA.
Visibility reduction by helicopters NA.
If local altimeter setting not received, use Pierre Rgnl altimeter setting and increase all MDAs 180 feet.

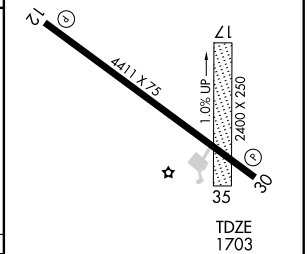
MISSED APPROACH: Climbing left turn to 4000 direct OVDOE and hold.

ASOS	HURON RADIO	UNICOM
121.425	122.35	122.8 (CTAF) L





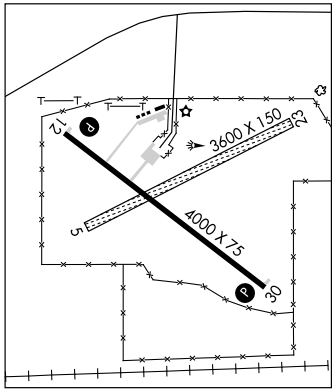
CATEGORY	A	B	C	D
LNAV MDA	2500-1 797 (800-1)	2500-1¼ 797 (800-1¼)	2500-2¼ 797 (800-2¼)	2500-2½ 797 (800-2½)
CIRCLING	2500-1 785 (800-1)	2500-1¼ 785 (800-1¼)	2500-2¼ 785 (800-2¼)	2560-2¾ 845 (900-2¾)



NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

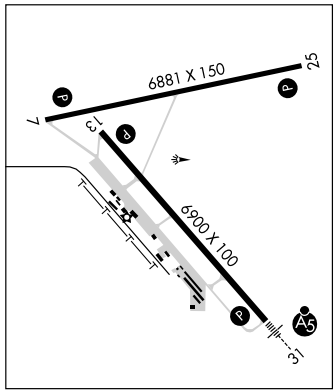
PHILIP (PHP) 3 E UTC−7(−6DT) N44°02.88′ W101°35.94′ **CHEYENNE**
2207 B **FUEL** 100LL NOTAM FILE PHP **L–12G**
RWY 12–30: H4000X75 (ASPH) S–12.5 HIRL 0.4% up NW **IAP**
RWY 12: PAPI(P2L). Pole. **RWY 30:** PAPI(P2L).
RWY 05–23: 3600X150 (TURF)
RWY 23: Tree.
AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs with credit card. Rwy 05–23 marked with black/white cones. ACTIVATE HIRL Rwy 12–30, PAPI Rwy 12 and Rwy 30—CTAF.
WEATHER DATA SOURCES: ASOS 118.375 (605) 859–3281. **HIWAS** 108.4 PHP.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.4 (HURON RADIO)
DENVER CENTER APP/DEP CON 127.95
RADIO AIDS TO NAVIGATION: NOTAM FILE PHP.
(L) VORW/DME 108.4 PHP Chan 21 N44°03.50′ W101°39.85′ 090° 2.9 NM to fld. 2340/12E. **HIWAS.**
VOR unusable 250°–325° byd 30 NM blo 4500′.



PIERRE RGNL (PIR) 3 E UTC−6(−5DT) N44°22.96′ W100°17.16′ **OMAHA**
1744 B S4 **FUEL** 100LL, JET A OX 1, 2, 3, 4 Class I, ARFF Index A NOTAM FILE PIR **H–2I, L–12H**
RWY 13–31: H6900X100 (ASPH–GRVD) S–91, D–108, 2S–137, 2D–168 HIRL **IAP**
RWY 13: REIL. PAPI(P4L)—GA 3.0° TCH 52′.
RWY 31: MALSR. PAPI(P4L)—GA 3.0° TCH 52′.
RWY 07–25: H6881X150 (ASPH–GRVD) S–91, D–114, 2S–145, 2D–180 HIRL 0.6% up W
RWY 07: REIL. PAPI(P4L)—GA 3.0° TCH 47′. Tank.
RWY 25: REIL. PAPI(P4L)—GA 3.0° TCH 54′.
RUNWAY DECLARED DISTANCE INFORMATION

RWY 07:	TORA–6881	TODA–6881	ASDA–6881	LDA–6881
RWY 13:	TORA–6900	TODA–6900	ASDA–6900	LDA–6900
RWY 25:	TORA–6881	TODA–6881	ASDA–6881	LDA–6881
RWY 31:	TORA–6900	TODA–6900	ASDA–6900	LDA–6900

AIRPORT REMARKS: Attended Mon–Fri 1100–0600Z‡, Sat–Sun 1100–0400Z‡. For attendant other times call 605–224–9000/8621. Arpt conditions unmonitored during 0530–1000Z‡. Numerous non–radio acft operating in area. Birds on and invof arpt and within a 25 NM radius. No line of sight between rwy ends of Rwy 07–25. ARFF provided for part 121 air carrier ops only. 48 hr PPR for unscheduled acr ops involving acft designed for 31+ passenger seats call 605–773–7447. Taxiway C is 50′ wide and restricted to acft 75,000 pounds or less. ACTIVATE HIRL Rwy 13–31 and Rwy 07–25, MALSR Rwy 31, REIL Rwy 07, Rwy 13 and Rwy 25, PAPI Rwy 07, Rwy 25, Rwy 13 and Rwy 31—CTAF 122.7. NOTE: See Special Notices Section—
Aerobatic Practice Areas.
WEATHER DATA SOURCES: ASOS 119.025 (605) 224–6087. **HIWAS** 112.5 PIR.
COMMUNICATIONS: CTAF 122.7 **UNICOM** 122.95
RCO 122.2 (HURON RADIO)
Ⓡ **MINNEAPOLIS CENTER APP/DEP CON** 125.1
RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.
(L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 251° 5.3 NM to fld. 1789/11E. **HIWAS.**
ILS/DME 111.9 I–PIR Chan 56 Rwy 31. Class IA ILS GS unusable for coupled apch blo 2,255′.



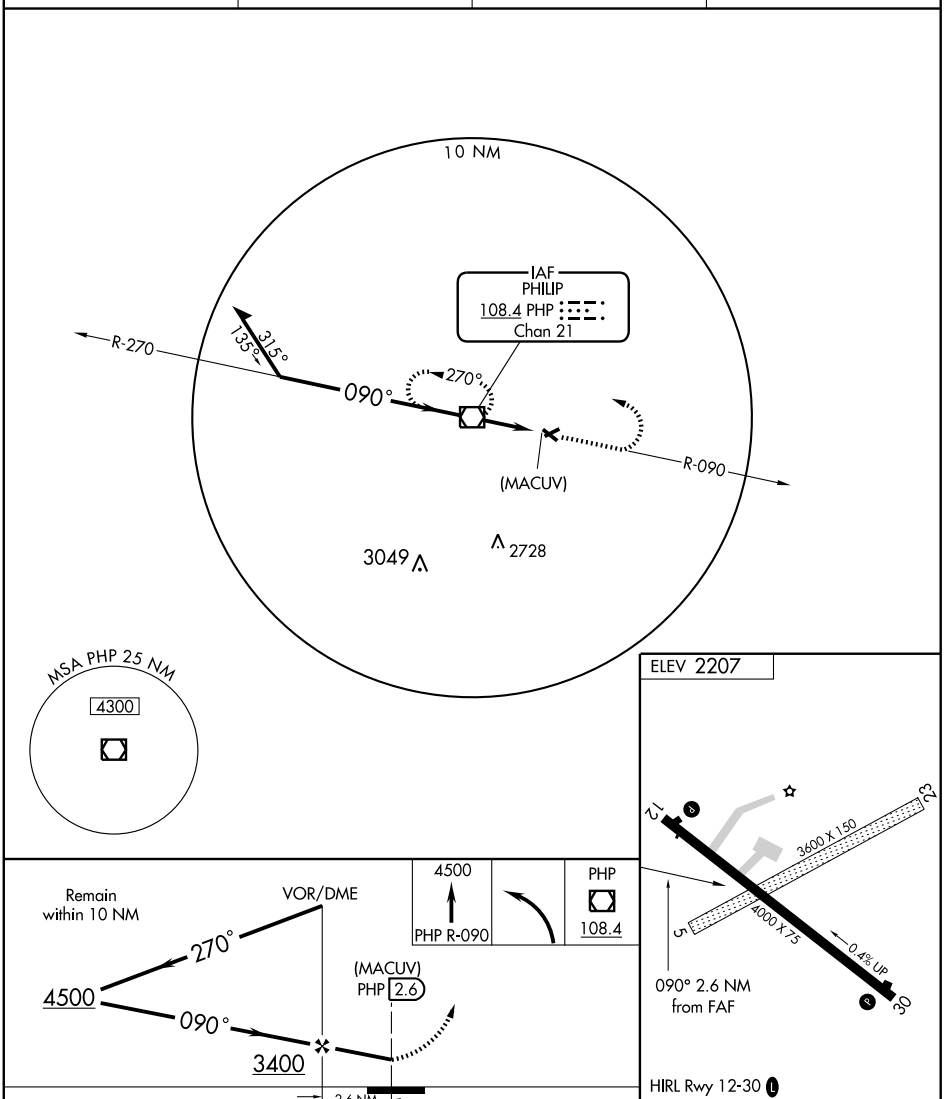
VOR/DME PHP 108.4 Chan 21	APP CRS 090°	Rwy ldg N/A TDZE N/A Apt Elev 2207

VOR or GPS-A
PHILIP (PHP)

NA

MISSED APPROACH: Climb to 4500 via PHP R-090, then left turn direct PHP VOR/DME and hold.

ASOS	DENVER CENTER	HURON RADIO	UNICOM
118.375	127.95 338.2	122.4	122.8 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	2720-1 513 (600-1)	2740-1 533 (600-1)	2780-1½ 573 (600-1½)	2820-2 613 (700-2)

FAF to MAP 2.6 NM					
Knots	60	90	120	150	180
Min:Sec	2:36	1:44	1:18	1:02	0:52

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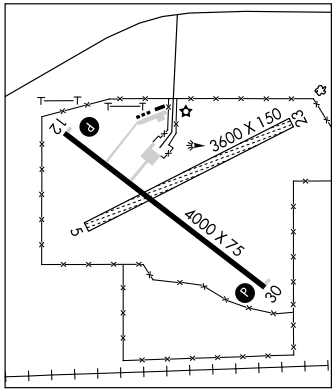
NC-1, 21 OCT 2010 to 18 NOV 2010

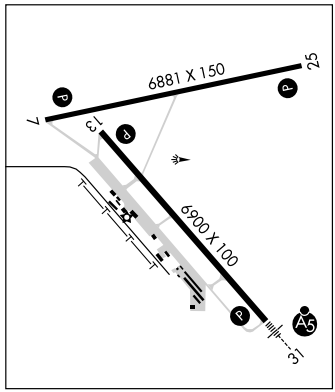
PHILIP (PHP) 3 E UTC−7(−6DT) N44°02.88′ W101°35.94′ **CHEYENNE**
2207 B **FUEL** 100LL NOTAM FILE PHP **L–12G**
RWY 12–30: H4000X75 (ASPH) S–12.5 HIRL 0.4% up NW **IAP**
RWY 12: PAPI(P2L). Pole. **RWY 30:** PAPI(P2L).
RWY 05–23: 3600X150 (TURF)
RWY 23: Tree.
AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs with credit card. Rwy 05–23 marked with black/white cones. ACTIVATE HIRL Rwy 12–30, PAPI Rwy 12 and Rwy 30—CTAF.
WEATHER DATA SOURCES: ASOS 118.375 (605) 859–3281. **HIWAS** 108.4 PHP.
COMMUNICATIONS: CTAF/UNICOM 122.8
RCO 122.4 (HURON RADIO)
DENVER CENTER APP/DEP CON 127.95
RADIO AIDS TO NAVIGATION: NOTAM FILE PHP.
(L) VORW/DME 108.4 PHP Chan 21 N44°03.50′ W101°39.85′ 090° 2.9 NM to fld. 2340/12E. **HIWAS.**
VOR unusable 250°–325° byd 30 NM blo 4500′.



PIERRE RGNL (PIR) 3 E UTC−6(−5DT) N44°22.96′ W100°17.16′ **OMAHA**
1744 B S4 **FUEL** 100LL, JET A OX 1, 2, 3, 4 Class I, ARFF Index A NOTAM FILE PIR **H–2I, L–12H**
RWY 13–31: H6900X100 (ASPH–GRVD) S–91, D–108, 2S–137, 2D–168 HIRL **IAP**
RWY 13: REIL. PAPI(P4L)—GA 3.0° TCH 52′.
RWY 31: MALSR. PAPI(P4L)—GA 3.0° TCH 52′.
RWY 07–25: H6881X150 (ASPH–GRVD) S–91, D–114, 2S–145, 2D–180 HIRL 0.6% up W
RWY 07: REIL. PAPI(P4L)—GA 3.0° TCH 47′. Tank.
RWY 25: REIL. PAPI(P4L)—GA 3.0° TCH 54′.
RUNWAY DECLARED DISTANCE INFORMATION

RWY 07:	TORA–6881	TODA–6881	ASDA–6881	LDA–6881
RWY 13:	TORA–6900	TODA–6900	ASDA–6900	LDA–6900
RWY 25:	TORA–6881	TODA–6881	ASDA–6881	LDA–6881
RWY 31:	TORA–6900	TODA–6900	ASDA–6900	LDA–6900

AIRPORT REMARKS: Attended Mon–Fri 1100–0600Z‡, Sat–Sun 1100–0400Z‡. For attendant other times call 605–224–9000/8621. Arpt conditions unmonitored during 0530–1000Z‡. Numerous non–radio acft operating in area. Birds on and invof arpt and within a 25 NM radius. No line of sight between rwy ends of Rwy 07–25. ARFF provided for part 121 air carrier ops only. 48 hr PPR for unscheduled acr ops involving acft designed for 31+ passenger seats call 605–773–7447. Taxiway C is 50′ wide and restricted to acft 75,000 pounds or less. ACTIVATE HIRL Rwy 13–31 and Rwy 07–25, MALSR Rwy 31, REIL Rwy 07, Rwy 13 and Rwy 25, PAPI Rwy 07, Rwy 25, Rwy 13 and Rwy 31—CTAF 122.7. NOTE: See Special Notices Section—
Aerobatic Practice Areas.
WEATHER DATA SOURCES: ASOS 119.025 (605) 224–6087. **HIWAS** 112.5 PIR.
COMMUNICATIONS: CTAF 122.7 **UNICOM** 122.95
RCO 122.2 (HURON RADIO)
Ⓡ **MINNEAPOLIS CENTER APP/DEP CON** 125.1
RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.
(L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 251° 5.3 NM to fld. 1789/11E. **HIWAS.**
ILS/DME 111.9 I–PIR Chan 56 Rwy 31. Class IA ILS GS unusable for coupled apch blo 2,255′.



LOC/DME I-PIR 111.9 Chan 56	APP CRS 313°	Rwy ldg 6900 TDZE 1720 Apt Elev 1744

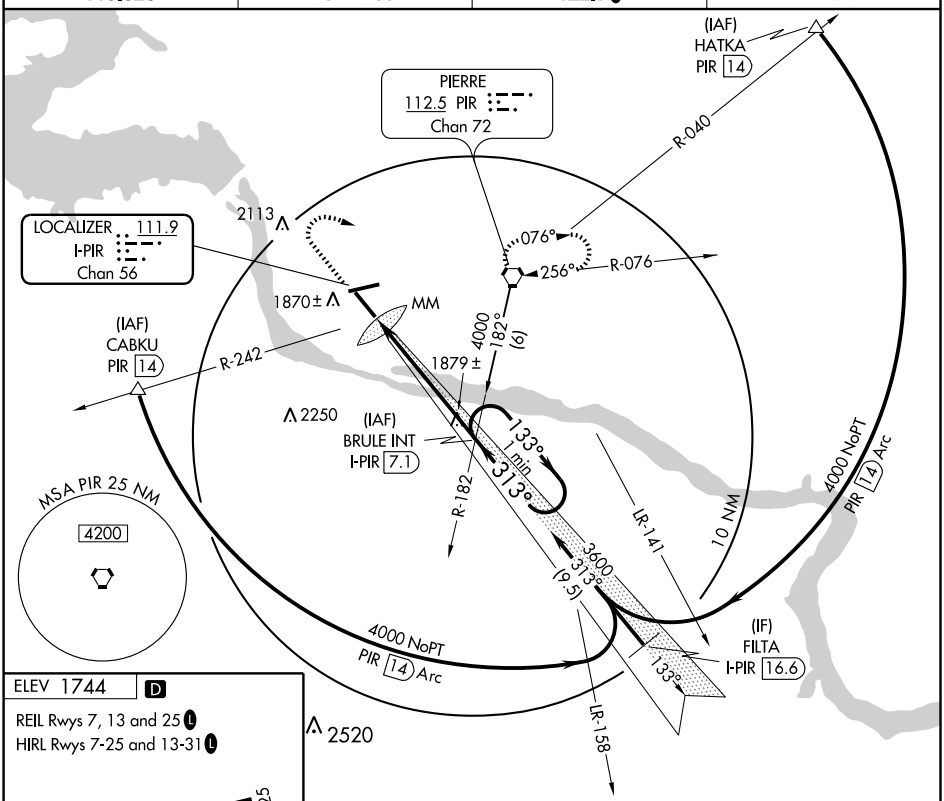
ILS or LOC RWY 31
PIERRE RGNL (PIR)

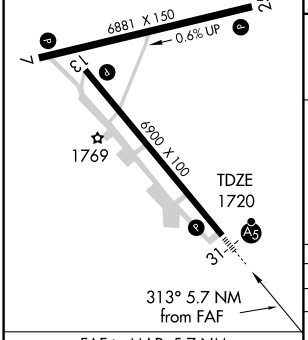
Autopilot coupled approach NA below 2255.

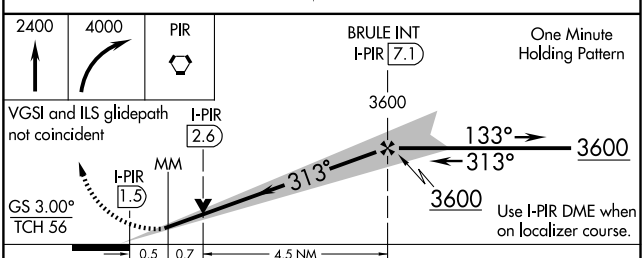
MALSR

MISSED APPROACH: Climb to 2400 then climbing right turn to 4000 direct PIR VORTAC and hold, continue climb-in-hold to 4000.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95







FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

CATEGORY	A	B	C	D
S-ILS 31	1920-½ 200 (200-½)			
S-LOC 31	2140-½ 420 (400-½)		2140-¾ 420 (400-¾)	
CIRCLING	2240-1 496 (500-1)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

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WAAS CH **45804** **W07A**	APP CRS **069°**	Rwy ldg **6881** TDZE **1744** Apt Elev **1744**

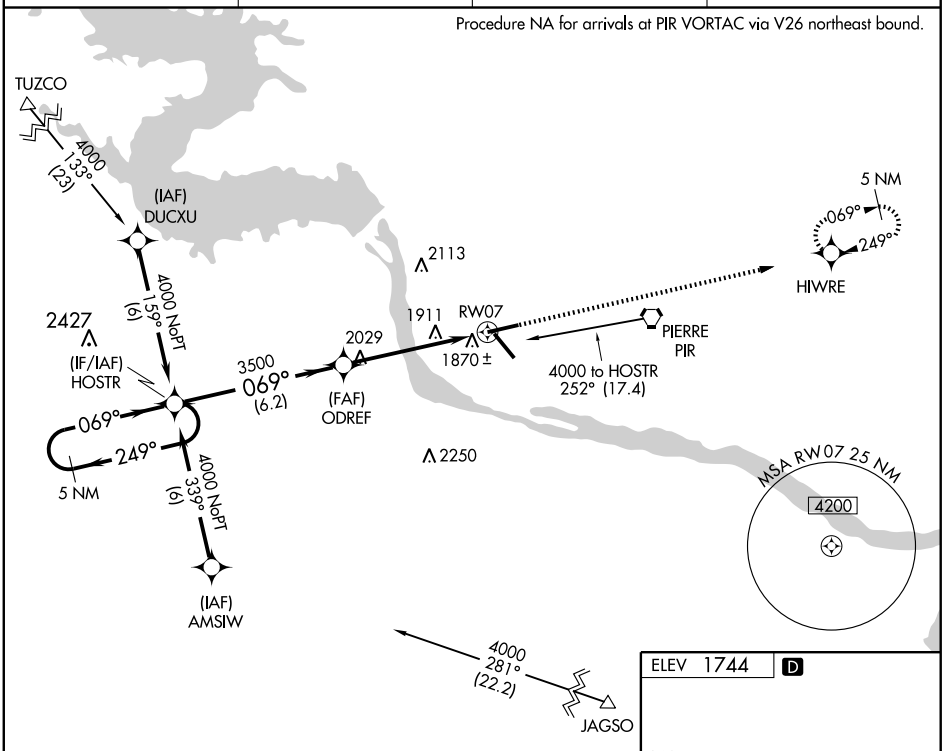
RNAV (GPS) RWY 7
PIERRE RGNL (PIR)

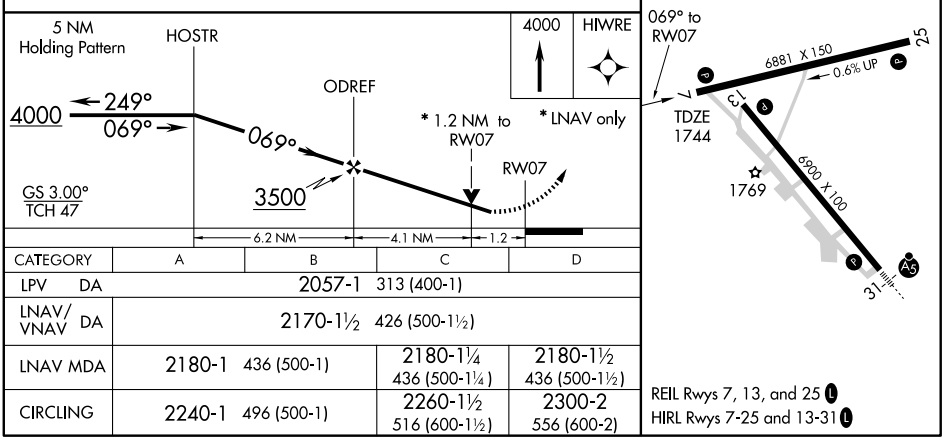
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 direct HIWRE and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95

Procedure NA for arrivals at PIR VORTAC via V26 northeast bound.





CATEGORY	A	B	C	D
LPV DA	2057-1 313 (400-1)			
LNAV/VNAV DA	2170-1½ 426 (500-1½)			
LNAV MDA	2180-1 436 (500-1)		2180-1¼ 436 (500-1¼)	2180-1½ 436 (500-1½)
CIRCLING	2240-1 496 (500-1)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

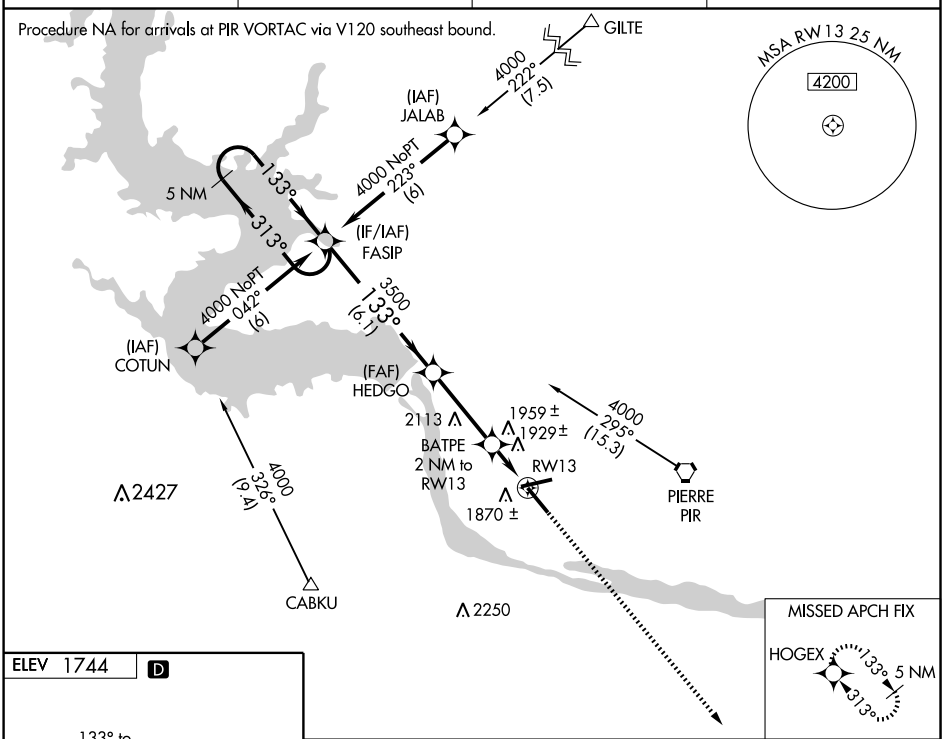
WAAS CH 53404 W13A	APP CRS 133°	Rwy ldg 6900 TDZE 1731 Apt Elev 1744

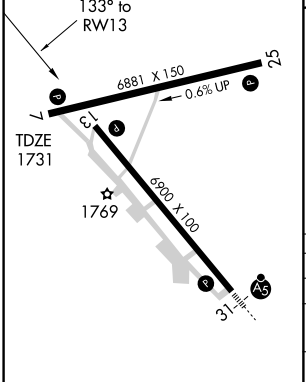
RNAV (GPS) RWY 13
PIERRE RGNL (PIR)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA.

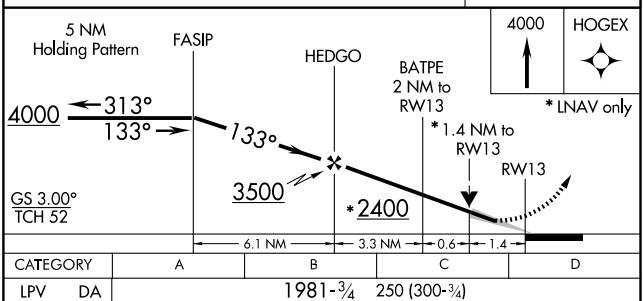
MISSED APPROACH: Climb to 4000 direct HOGEX and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95





REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L



CATEGORY	A	B	C	D
LPV DA	1981-¾ 250 (300-¾)			
LNAV/VNAV DA	2285-2 554 (600-2)			
LNAV MDA	2220-1 489 (500-1)		2220-1¼ 489 (500-1¼)	2220-1½ 489 (500-1½)
CIRCLING	2240-1 496 (500-1)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH 63104 W25A	APP CRS 249°	Rwy ldg 6881 TDZE 1725 Apt Elev 1744

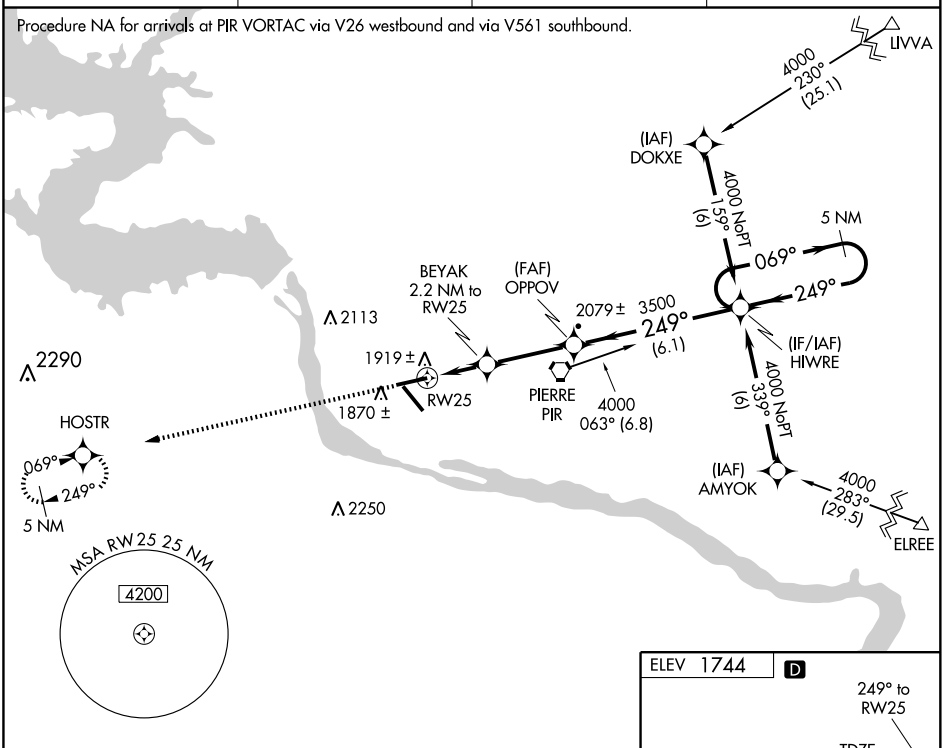
RNAV (GPS) RWY 25
PIERRE RGNL (PIR)

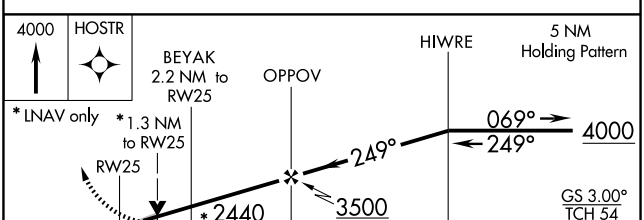
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA.

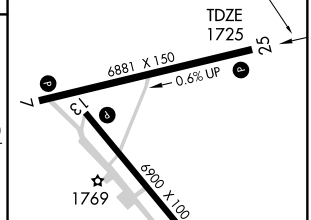
MISSED APPROACH: Climb to 4000 direct HOSTR and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95

Procedure NA for arrivals at PIR VORTAC via V26 westbound and via V561 southbound.







CATEGORY	A	B	C	D
LPV DA	1975-1 250 (300-1)			
LNAV/VNAV DA	2179-1¾ 454 (500-1¾)			
LNAV MDA	2180-1 455 (500-1)		2180-1¼ 455 (500-1¼)	2180-1½ 455 (500-1½)
CIRCLING	2240-1 496 (500-1)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

REIL Rwys 7-25 and 13-31 L
HIRL Rwys 7-25 and 13-31 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS Chan **65623** W31A	APP CRS **313°**	Rwy ldg **6900** TDZE **1720** Apt Elev **1744**

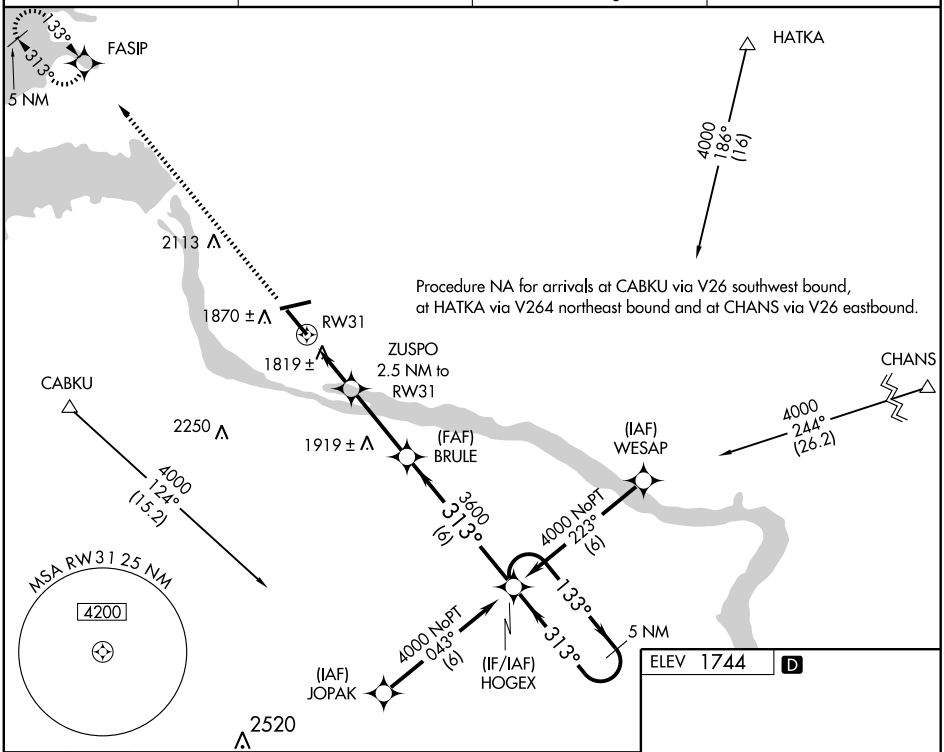
RNAV (GPS) RWY 31
PIERRE RGNL (PIR)

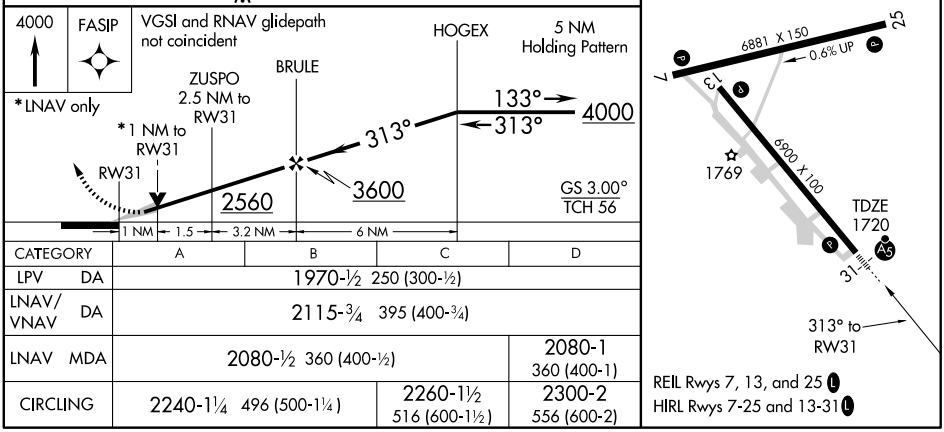
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -18°C (0°F).
For inoperative MALSR increase LPV visibility to ¾ all Cats, and LNAV Cat D visibility to 1¼.

MALSR

MISSED APPROACH: Climb to 4000 direct FASIP and hold.

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	**125.1 269.1**	**122.7** L	**122.95**





CATEGORY	A	B	C	D
LPV DA	1970-½ 250 (300-½)			
LNAV/VNAV DA	2115-¾ 395 (400-¾)			
LNAV MDA	2080-½ 360 (400-½)			2080-1 360 (400-1)
CIRCLING	2240-1¼ 496 (500-1¼)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

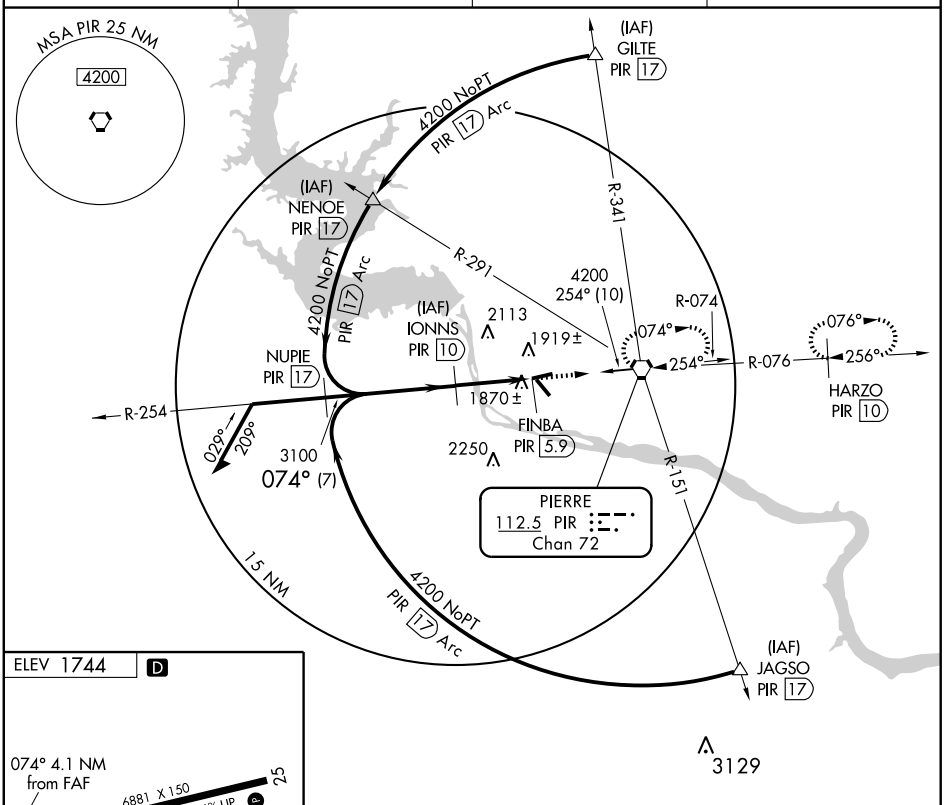
VORTAC PIR 112.5 Chan 72	APP CRS 074°	Rwy ldg 6881 TDZE 1744 Apt Elev 1744

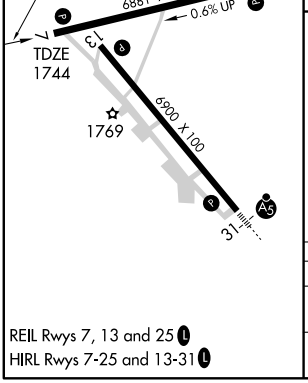
VOR/DME or TACAN RWY 7

PIERRE RGNL (PIR)

MISSED APPROACH: Climb to 4000 then right turn direct PIR VORTAC and hold. (TACAN aircraft continue via PIR R-076 to HARZO 10 DME and hold East, right turns, 256° inbound).

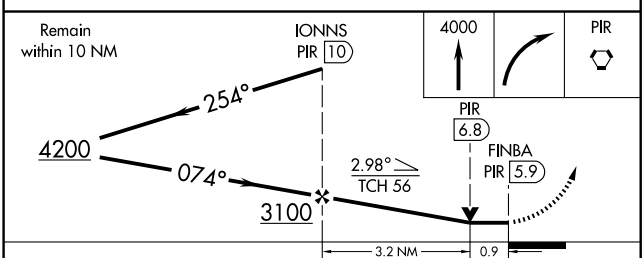
ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95





REIL Rwys 7, 13 and 25 L

HIRL Rwys 7-25 and 13-31 L



CATEGORY	A	B	C	D
S-7	2180-1	436 (500-1)	2180-1¼ 436 (500-1¼)	2180-1½ 436 (500-1½)
CIRCLING	2240-1	496 (500-1)	2260-1½ 516 (600-1½)	2300-2 556 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

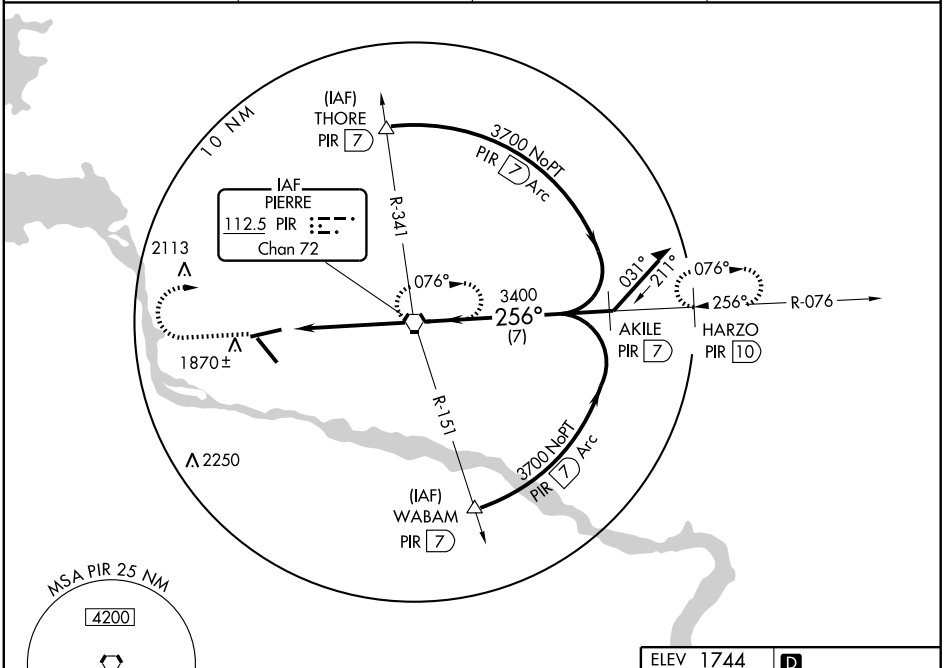
VORTAC PIR 112.5 Chan 72	APP CRS 256°	Rwy ldg 6881 TDZE 1725 Apt Elev 1744

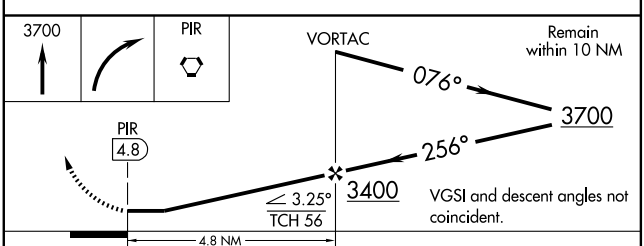
VOR or TACAN RWY 25

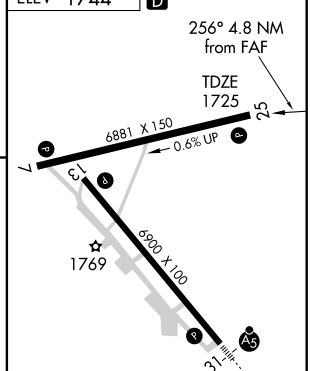
PIERRE RGNL (PIR)

MISSED APPROACH: Climb to 3700 then right turn direct PIR VORTAC and hold. (TACAN aircraft continue via PIR R-076 to HARZO 10 DME and hold east, right turns, 256° inbound)

ASOS	MINNEAPOLIS CENTER	CTAF	UNICOM
119.025	125.1 269.1	122.7 L	122.95







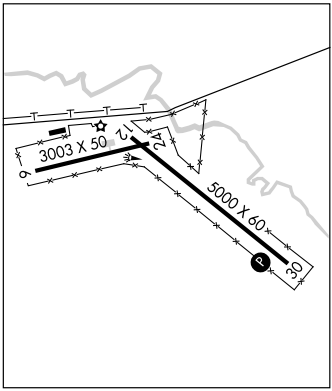
REIL Rwys 7, 13, and 25 L
HIRL Rwys 7-25 and 13-31 L

CATEGORY	A	B	C	D
S-25	2120-1 395 (400-1)			2120-1¼ 395 (400-1¼)
CIRCLING	2240-1 496 (500-1)		2260-1½ 516 (600-1½)	2300-2 556 (600-2)

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

PINE RIDGE (IEN) 2 E UTC−7(−6DT) N43°01.35′ W102°30.66′ **CHEYENNE**
3333 B NOTAM FILE IEN **H–5B, L–12G**
RWY 12–30: H5000X60 (ASPH) S–12 MIRL 0.7% up SE **IAP**
RWY 12: P–line.
RWY 30: PAPI(P2L)—GA 3.0° TCH 26′. Fence.
RWY 06–24: H3003X50 (ASPH) S–12 0.7% up NE
RWY 24: Fence.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 06–24 CLOSED indef. MIRL Rwy 12–30 and PAPI Rwy 30 opr dusk–0530Z‡, after 0530Z‡ ACTIVATE—CTAF.
WEATHER DATA SOURCES: ASOS 126.775 (605) 867–1584.
COMMUNICATIONS: CTAF 122.9
DENVER CENTER APP/DEP CON 127.95
RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 146° 61.3 NM to fld. 3160/13E.



PLATTE MUNI (1D3) 1 NE UTC−6(−5DT) N43°24.20′ W98°49.77′ **OMAHA**
1618 B S2 NOTAM FILE HON **L–12H**
RWY 14–32: H3100X60 (ASPH) LIRL
RWY 14: Tree. **RWY 32:** Trees. Rgt tfc.
AIRPORT REMARKS: Attended Mon–Sat 1400–2300Z‡. During winter months rwy could be slippery, confirm winter conditions with arpt manager call 605–337–2334/3923. Deer and other wildlife on and invof arpt. ACTIVATE LIRL Rwy 14–32—CTAF.
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE MHE.
MITCHELL (L) VORW/DME 109.2 MHE Chan 29 N43°46.62′ W98°02.25′ 230° 41.2 NM to fld. 1301/7E.
HIWAS.

PRESHO MUNI (5P5) 1 E UTC−6(−5DT) N43°54.38′ W100°02.22′ **OMAHA**
1760 B NOTAM FILE HON
RWY 10–28: 3350X150 (TURF–GRVL) LIRL
RWY 10: Road. **RWY 28:** Fence.
AIRPORT REMARKS: Unattended. Wildlife and waterfowl on and invof arpt. Rwy 10–28 center 52′ gravel. Rwy 10–28 marked with yellow and black metal A-frame markers. ACTIVATE LIRL Rwy 10–28—CTAF.
COMMUNICATIONS: CTAF 122.9

RANCH N43°57.89′ W102°59.93′ NOTAM FILE RAP. **CHEYENNE**
NDB (HW/LOM) 254 RA 324° 5.5 NM to Rapid City Rgnl. **L–12G**

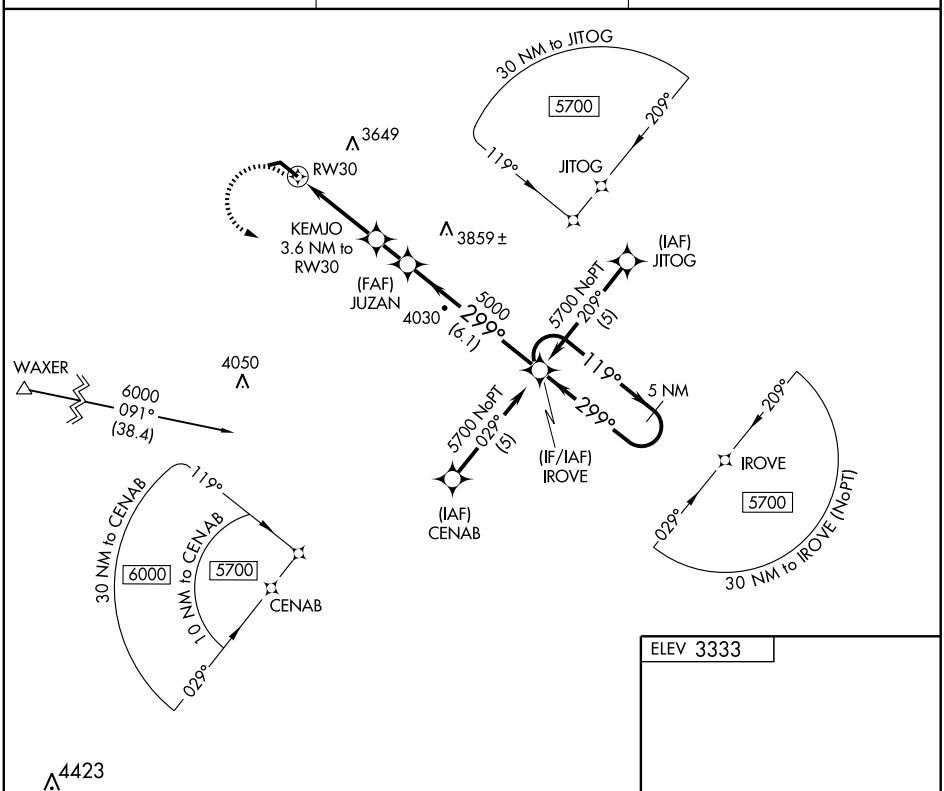
APP CRS	Rwy ldg	5000
299°	TDZE	3333
	Apt Elev	3333

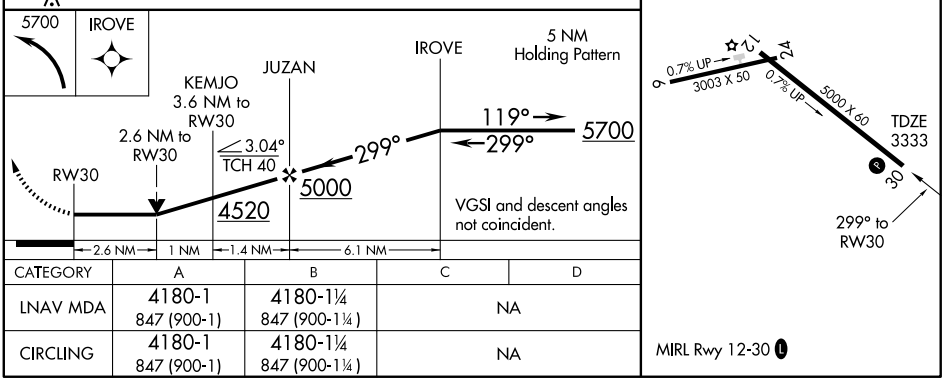
RNAV (GPS) RWY 30
PINE RIDGE (IEN)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.
VDP NA when using Chadron altimeter setting.
When local altimeter setting not received, use Chadron altimeter setting and increase all MDA 80 feet, and Cat A visibility ¼ mile.

MISSED APPROACH: Climbing left turn to 5700 direct IROVE and hold.

ASOS	DENVER CENTER	CTAF
126.775	127.95 338.2	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	4180-1 847 (900-1)	4180-1¼ 847 (900-1¼)	NA	
CIRCLING	4180-1 847 (900-1)	4180-1¼ 847 (900-1¼)	NA	

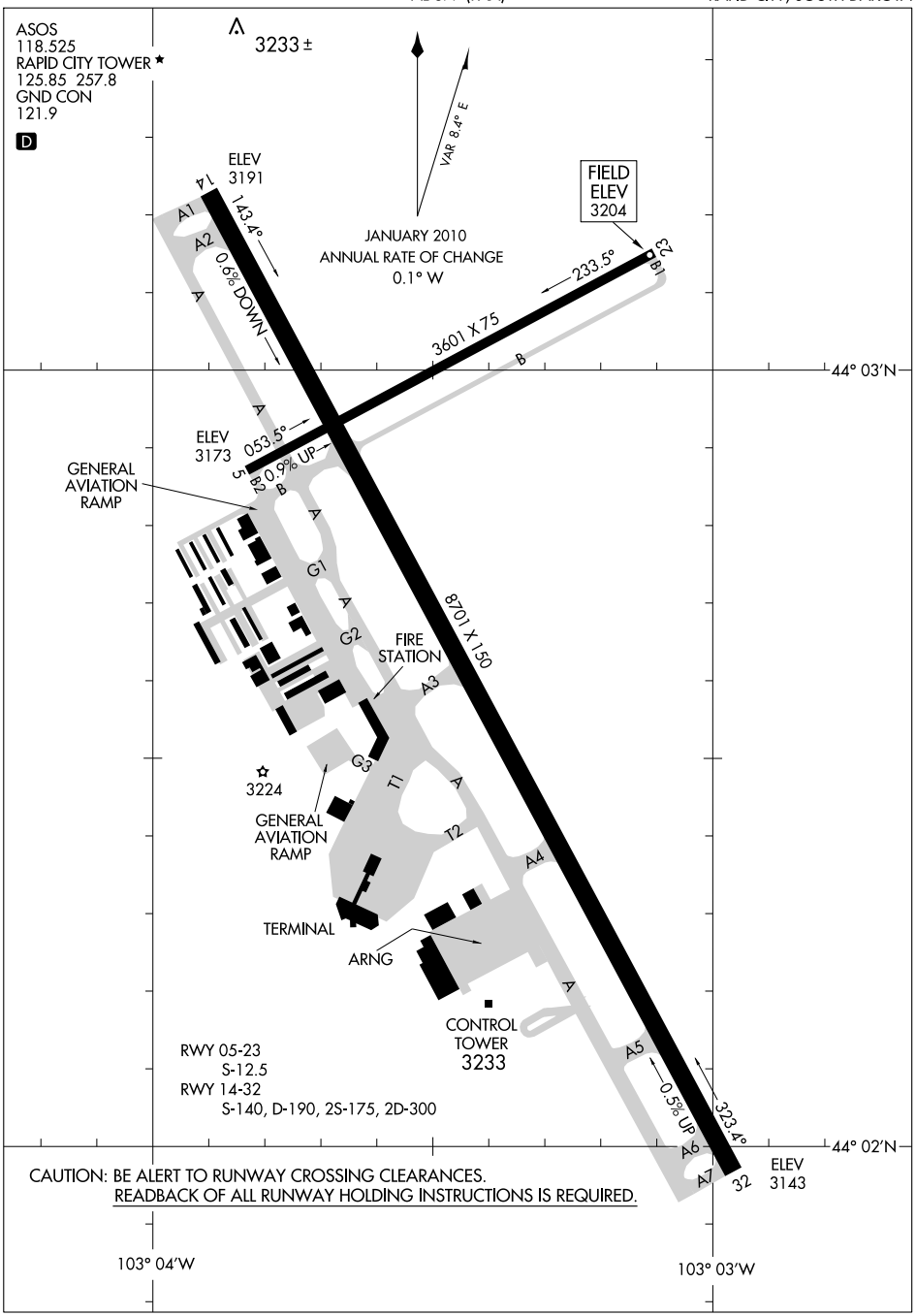
NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

AL-877 (FAA)

RAPID CITY RGNL (RAP)
RAPID CITY, SOUTH DAKOTA

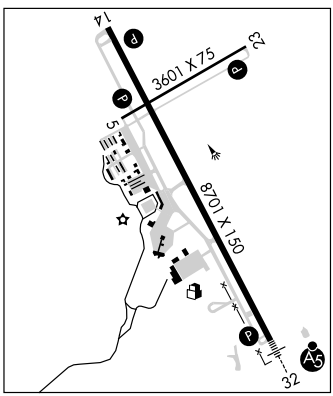


NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM
RAPID CITY, SOUTH DAKOTA
RAPID CITY RGNL (RAP)
10210

RAPID CITY RGNL (RAP) 8 SE UTC−7(−6DT) N44°02.72′ W103°03.44′ **CHEYENNE**
3204 B S4 **FUEL** 100LL, JET A OX 3 ARFF Index—See Remarks NOTAM FILE RAP **H–2H, L–12G**
RWY 14–32: H8701X150 (CONC–GRVD) S–140, D–190, 2S–175, 2D–300 HIRL **IAP, AD**
RWY 14: REIL. PAPI(P4L)—GA 3.0° TCH 47′. 0.6% down.
RWY 32: MALSR. PAPI(P4L)—GA 3.0° TCH 54′. 0.5% up.
RWY 05–23: H3601X75 (ASPH) S–12.5 MIRL 0.9% up NE
RWY 05: PAPI(P4L)—GA 3.0° TCH 32′. Rgt tfc.
RWY 23: PAPI(P4L)—GA 3.0° TCH 26′. Road.



RUNWAY DECLARED DISTANCE INFORMATION

RWY 05:	TORA–3601	TODA–3601	ASDA–3601	LDA–3601
RWY 14:	TORA–8701	TODA–8701	ASDA–8701	LDA–8701
RWY 23:	TORA–3601	TODA–3601	ASDA–3601	LDA–3601
RWY 32:	TORA–8701	TODA–8701	ASDA–8701	LDA–8701

AIRPORT REMARKS: Attended continuously. CAUTION: Extensive military jet traffic in vicinity of and NNW of arpt. Birds on and in vicinity of arpt. Be alert do not mistake Ellsworth AFB, located 6.5 NM NNW for Rapid City Rgnl. 152′ AGL twr 2.5 NM NNW of arpt. Line of sight is restricted between Rwy 14 and Rwy 23 physical ends. Twr has limited visibility of Twy T1 and Twy T2 and Twy B at AER Rwy 23. Rwy 05–23 not avbl for scheduled air carrier ops with acft designed for 10 plus passenger seats, and scheduled/unscheduled air carrier ops with acft designed for 31 plus passenger seats. ARFF Index ''C'' PPR, call airport manager 605–394–4195 or 605–593–3419. Rwy 32 touchdown runway visual range. When twr clsd ACTIVATE HIRL Rwy 14–32, MIRL Rwy 05–23, MALSR Rwy 32, PAPI Rwy 05, Rwy 23, Rwy 14 and Rwy 32, REIL Rwy 14 and Twy A and Twy B lgts —CTAF.
WEATHER DATA SOURCES: ASOS 118.525 (605) 393–2832.
COMMUNICATIONS: CTAF 125.85 **UNICOM** 122.95
RCO 122.65 122.1R 112.3T (HURON RADIO)
Ⓡ **ELLSWORTH APP/DEP CON** 119.5 (Opr 24 hrs, from Mon 1200Z‡ thru Sat 0400Z‡, Sat, Sun 1200–0400Z‡), other times ctc **DENVER CENTER** 127.95.
TOWER 125.85 (1300–0500Z‡) **GND CON** 121.9
AIRSPACE: CLASS D svc 1300–0500Z‡ other times CLASS E.
RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
(H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 322° 4.6 NM to fld. 3160/13E
RANCH NDB (HW/LOM) 254 RA N43°57.89′ W102°59.93′ 324° 5.5 NM to fld.
ILS/DME 109.3 I–RAP Chan 30 Rwy 32. Class IE. LOM RANCH NDB.

REDFIELD MUNI (1D8) 1 SW UTC−6(−5DT) N44°51.75′ W98°31.77′ **TWIN CITIES**
1307 B S2 **FUEL** 100LL NOTAM FILE HON **L–12H, 14G**
RWY 13–31: H3300X60 (ASPH) S–13 LIRL
RWY 13: Tree. **RWY 31:** Trees.
RWY 01–19: 2600X250 (TURF)
RWY 19: Tree.
AIRPORT REMARKS: Unattended. Rwy 01–19 CLOSED winter months. Fuel avbl 24 hrs with credit card. Ultralight activity on and invof arpt. Migratory birds on and invof arpt. Rwy 01–19 marked with yellow and black metal A-frame markers.
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
HURON (L) VORTAC 117.6 HON Chan 123 N44°26.40′ W98°18.66′ 330° 27.0 NM to fld. 1300/10E.

RENEY N45°23.16′ W98°19.70′ NOTAM FILE ABR. **TWIN CITIES**
NDB (LOM) 203 AB 307° 5.4 NM to Aberdeen Rgnl.

RIVERBEND N45°32.99′ W100°24.61′ NOTAM FILE MBG. **TWIN CITIES**
NDB (MHW) 407 RVB at Mobridge Muni. NDB unmonitored. **L–14F**

ROKKY N43°29.65′ W96°49.73′ NOTAM FILE FSD. **OMAHA**
NDB (H/LOM) 245 FS 031° 6.5 NM to Joe Foss Fld. Unmonitored. **L–12I**

SIOUX FALLS N43°38.97′ W96°46.87′ NOTAM FILE FSD. **OMAHA**
(H) VORTACW 115.0 FSD Chan 97 148° 4.4 NM to Joe Foss Fld. 1570/9E. **HIWAS.** **H–5C, L–12I**
VOR portion unusable 320°–360° byd 20 NM blo 4000′.
RCO 122.2 (HURON RADIO)

ILS or LOC RWY 32
RAPID CITY RGNL (RAP)

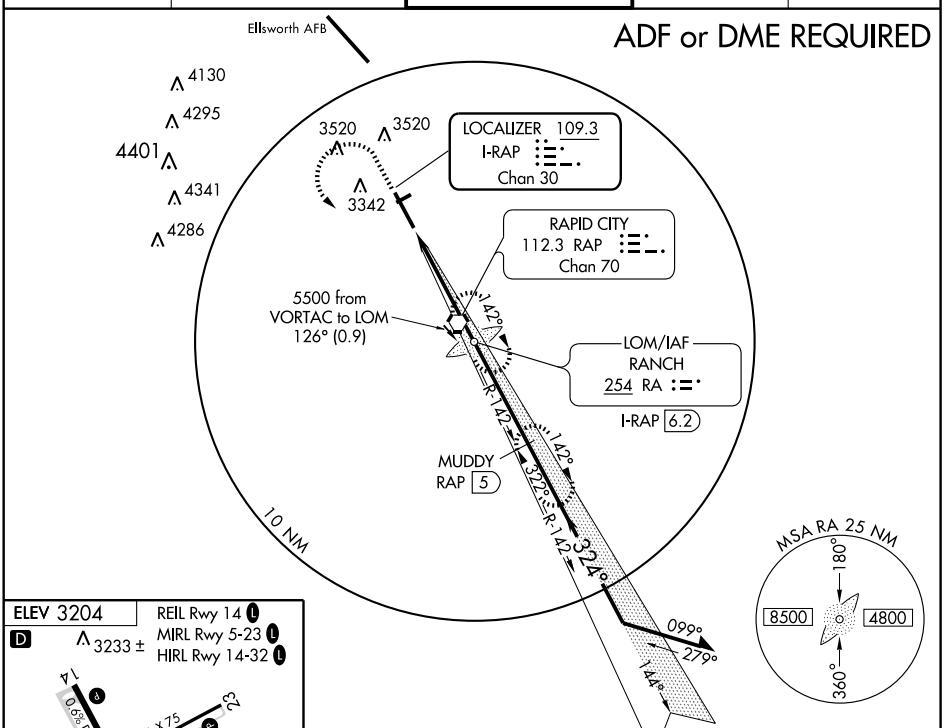
LOC/DME I-RAP	APP CRS	Rwy ldg	8701
109.3	324°	TDZE	3160
Chan 30		Apt Elev	3204

Circling to Rwy 5-23 NA at night. When local altimeter setting not received, use Ellsworth AFB altimeter setting and increase all DA 26 feet and all MDA 40 feet, increase S-LOC 32 Cat E visibility ½mile. For inoperative MALSR, increase S-LOC 32 Cat E visibility to 1½ and S-ILS 32 Cat E visibility to RVR 4000. VDP NA with Ellsworth AFB altimeter setting. *RVR 1800 authorized with the use of FD or AP or HUD to DA. For inoperative MALSR, when using Ellsworth AFB altimeter setting, increase S-ILS 32 Cat E visibility to RVR 4000 and S-LOC 32 Cat E visibility to 1¾.

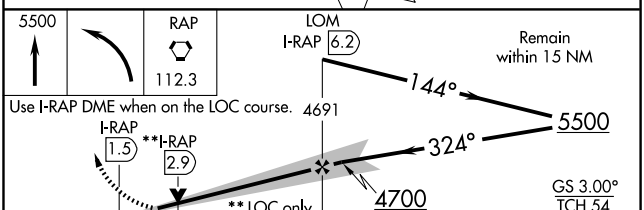
MALSR

MISSED APPROACH: Climb to 5500 then left turn direct RAP VORTAC and hold. (TACAN aircraft continue via RAP VORTAC R-142 to MUDDY 5 DME and hold SE, RT, 322° inbound.)

ASOS	ELLSWORTH APP CON *	RAPID CITY TOWER *	GND CON	UNICOM
118.525	119.5 259.1	125.85 (CTAF) L 257.8	121.9	122.95



FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32



CATEGORY	A	B	C	D	E
S-ILS 32	* 3360/24 200 (200-½)				3360/24 200 (200-½)
S-LOC 32	3620/24 460 (500-½)		3620/40 460 (500-¾)	3620/50 460 (500-1)	
CIRCLING	3660-1 456 (500-1)	3680-1 476 (500-1)	3680-1½ 476 (500-1½)	3820-2 616 (700-2)	3960-2¾ 756 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

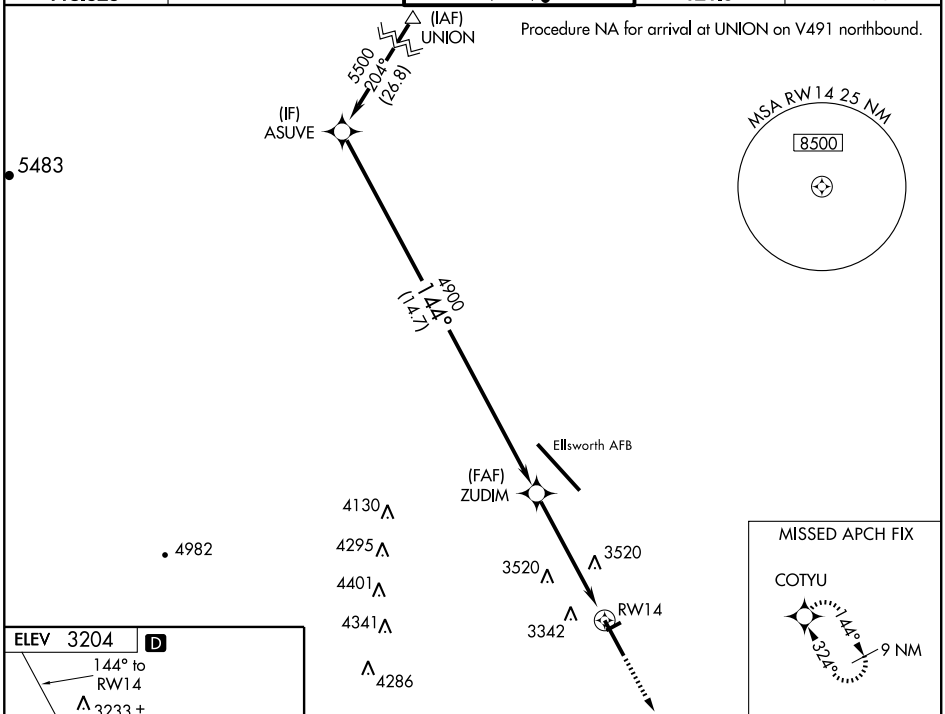
WAAS CH 60919 W14A	APP CRS 144°	Rwy ldg 8701 TDZE 3191 Apt Elev 3204

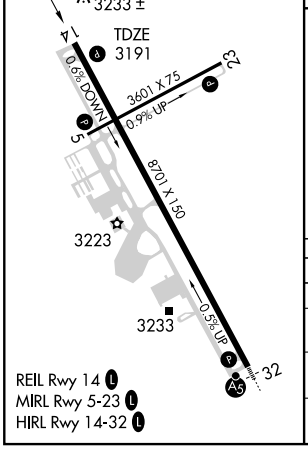
RNAV (GPS) RWY 14
RAPID CITY RGNL (RAP)

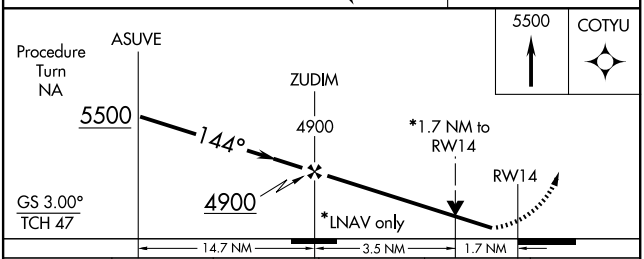
Circling to Rwy 5-23 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 42°C (107°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Ellsworth AFB altimeter setting and increase all DA 26 feet and all MDA 40 feet and increase LNAV Cats C/D/E and Circling Cat C visibility ¼ mile. VDP NA with Ellsworth AFB altimeter setting. Baro-VNAV NA when using Ellsworth AFB altimeter setting.

MISSED APPROACH: Climb to 5500 direct COTYU and hold.

ASOS	ELLSWORTH APP CON ★	RAPID CITY TOWER ★	GND CON	UNICOM
118.525	119.5 259.1	125.85 (CTAF) L 257.8	121.9	122.95







CATEGORY	A	B	C	D	E
LPV DA	3450-1 259 (300-1)				
LNAV/VNAV DA	3871-2½ 680 (700-2½)				
LNAV MDA	3780-1 589 (600-1)		3780-1½ 589 (600-1½)	3780-1¾ 589 (600-1¾)	3780-2 589 (600-2)
CIRCLING	3780-1 576 (600-1)		3780-1½ 576 (600-1½)	3820-2 616 (700-2)	3960-2¾ 756 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

RNAV (GPS) RWY 32
RAPID CITY RGNL (RAP)

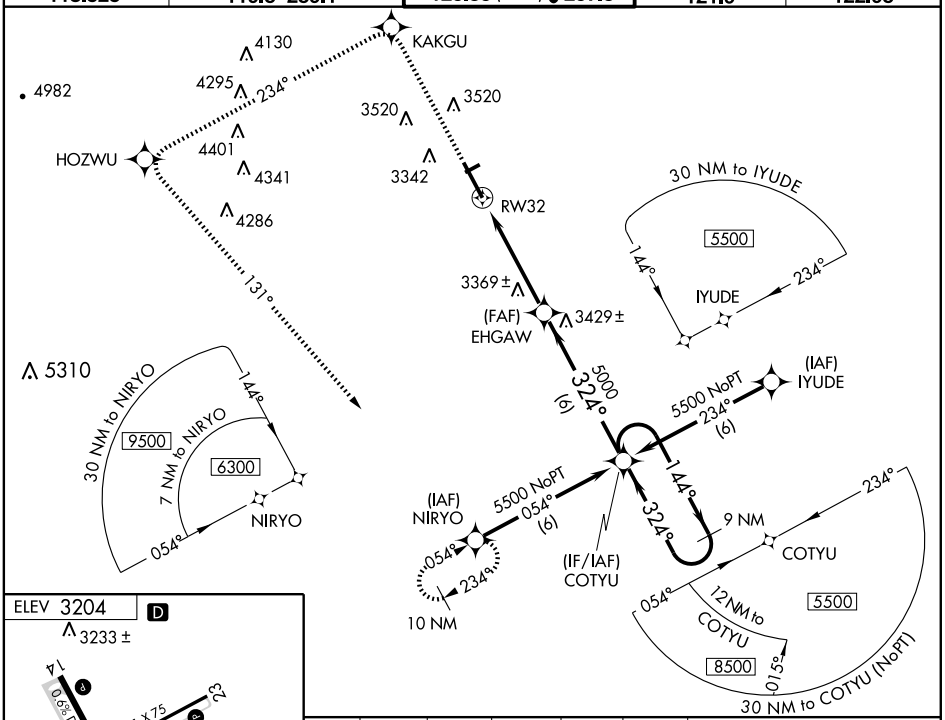
WAAS CH 93717 W32A	APP CRS 324°	Rwy ldg 8701 TDZE 3160 Apt Elev 3204

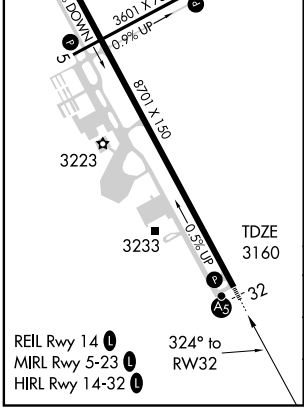
Circling to Rwy 5-23 NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -21°C (-5°F) or above 42°C (107°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Ellsworth AFB altimeter setting and increase all DA 26 feet and all MDA 40 feet and increase LNAV Cat E visibility ¼ mile. VDP NA with Ellsworth AFB altimeter setting.
Baro-VNAV NA when using Ellsworth AFB altimeter setting. For inoperative MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat D and E visibility to RVR 5000 and LNAV Cat E visibility to 1½. For inoperative MALSR, when using Ellsworth AFB altimeter setting, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat D and E visibility to RVR 5000 and LNAV Cat E visibility to 1¾.

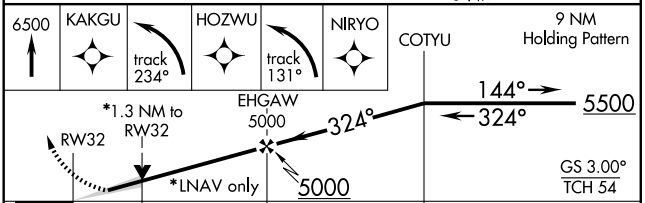
MALSR

MISSED APPROACH: Climb to 6500 direct KAKGU and left turn on track 234° to HOZWU and left turn on track 131° to NIRYO and hold.

ASOS	ELLSWORTH APP CON ★	RAPID CITY TOWER ★	GND CON	UNICOM
118.525	119.5 259.1	125.85 (CTAF) 257.8	121.9	122.95







CATEGORY	A	B	C	D	E
LPV DA	3360/24 200 (200-½)				
LNAV/VNAV DA	3410/24 250 (300-½)			3410/40 250 (300-¾)	
LNAV MDA	3620/24 460 (500-½)		3620/40 460 (500-¾)	3620/50 460 (500-1)	
CIRCLING	3660-1 456 (500-1)	3680-1 476 (500-1)	3680-1½ 476 (500-1½)	3820-2 616 (700-2)	3960-2¾ 756 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC RAP	APP CRS	Rwy ldg	8701
112.3	141°	TDZE	3191
Chan 70		Apt Elev	3204

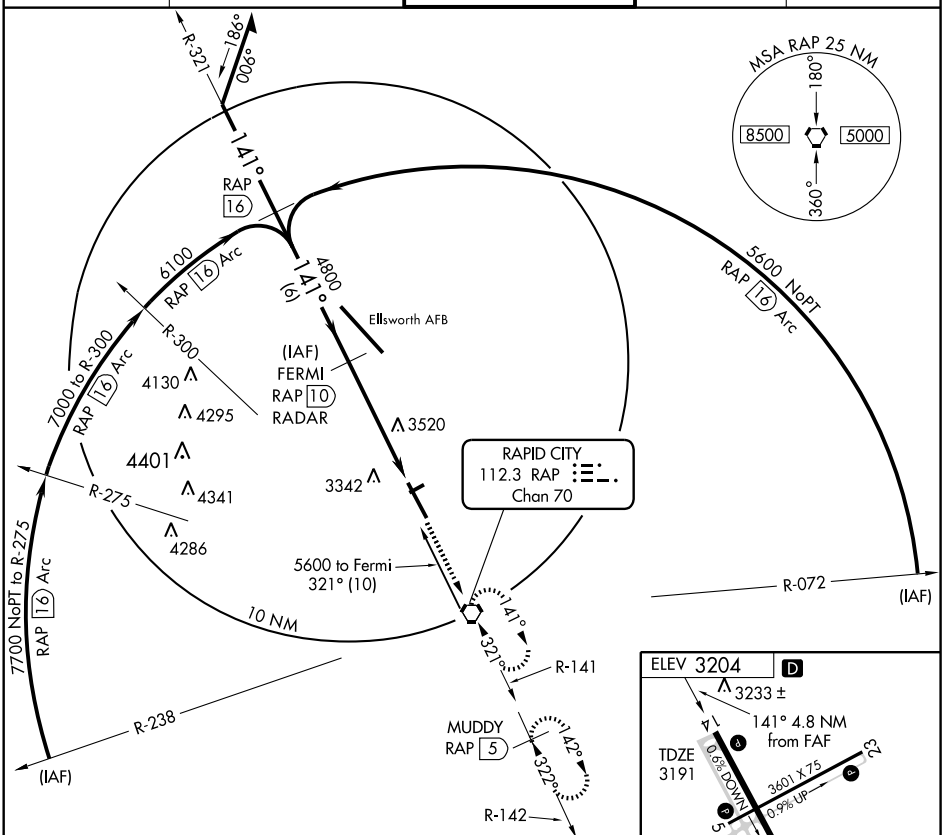
VOR or TACAN RWY 14

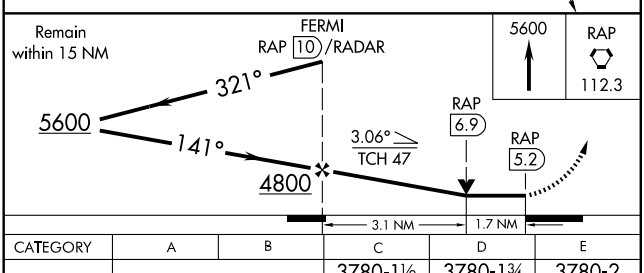
RAPID CITY RGNL (RAP)

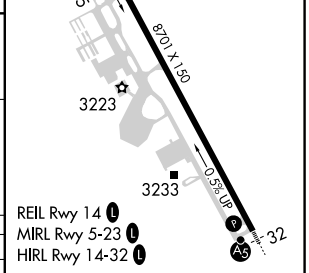
If local altimeter setting not received, use Ellsworth AFB altimeter setting and increase all MDAs 40 feet.
VDP NA when using Ellsworth AFB altimeter setting.

MISSED APPROACH: Climb to 5600 direct RAP VORTAC and hold, continue climb-in-hold to 5600. (TACAN aircraft continue via RAP R-142 to MUDDY 5 DME and hold SE, RT, 322° inbound.)

ASOS	ELLSWORTH APP CON ★	RAPID CITY TOWER ★	GND CON	UNICOM
118.525	119.5 259.1	125.85 (CTAF) L 257.8	121.9	122.95







CATEGORY	A	B	C	D	E
S-14	3780-1 589 (600-1)		3780-1½ 589 (600-1½)	3780-1¾ 589 (600-1¾)	3780-2 589 (600-2)
CIRCLING	3780-1 576 (600-1)		3780-1½ 576 (600-1½)	3820-2 616 (700-2)	3820-2¼ 616 (700-2¼)

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC RAP 112.3 Chan 70	APP CRS 322°	Rwy ldg 8701 TDZE 3160 Apt Elev 3204

VOR or TACAN RWY 32

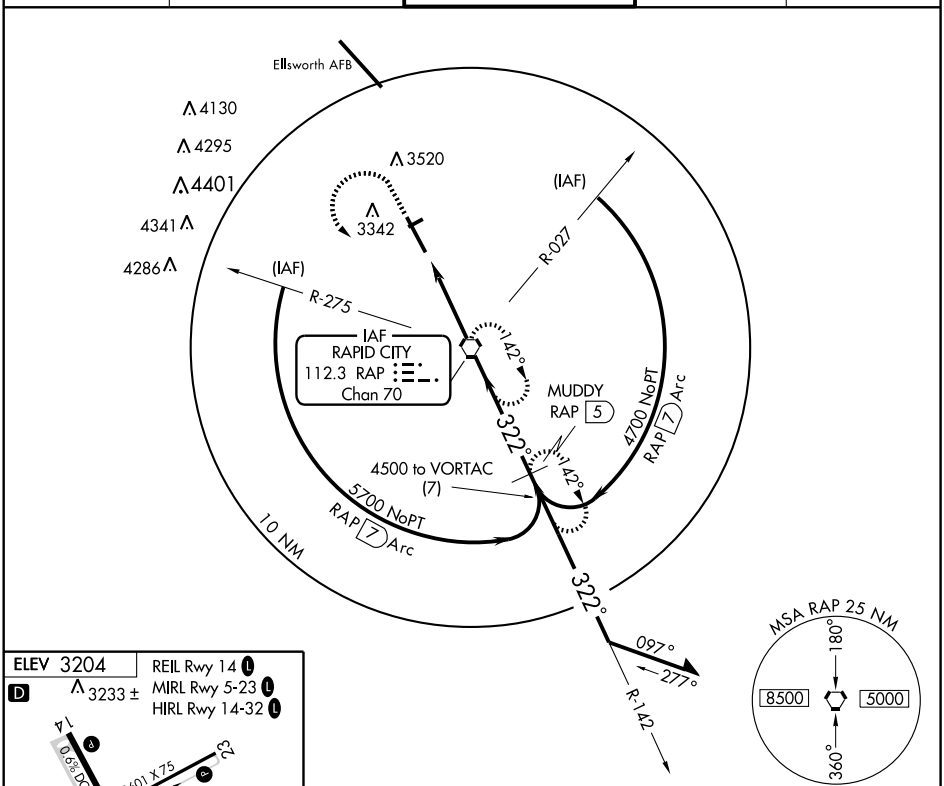
RAPID CITY RGNL (RAP)

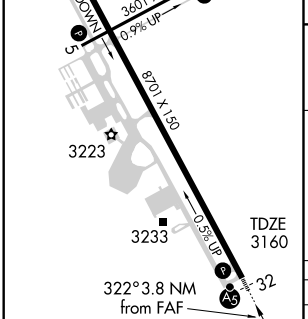
T Inoperative table does not apply to Cats D and E.
A If local altimeter setting not received, use Ellsworth AFB altimeter setting and increase all MDAs 40 feet.

MALSR A5

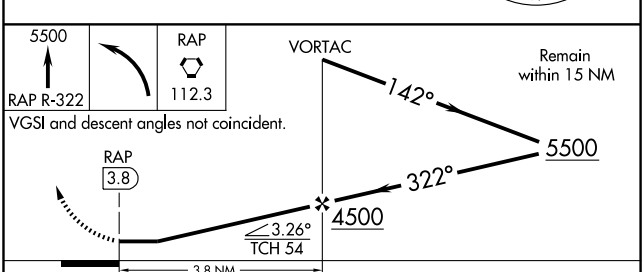
MISSED APPROACH: Climb to 5500 via RAP R-322 then left turn direct RAP VORTAC and hold. (TACAN aircraft continue via RAP R-142 to MUDDY 5 DME and hold SE, RT, 322° inbound.)

ASOS	ELLSWORTH APP CON ★	RAPID CITY TOWER ★	GND CON	UNICOM
118.525	119.5 259.1	125.85 (CTAF) L 257.8	121.9	122.95



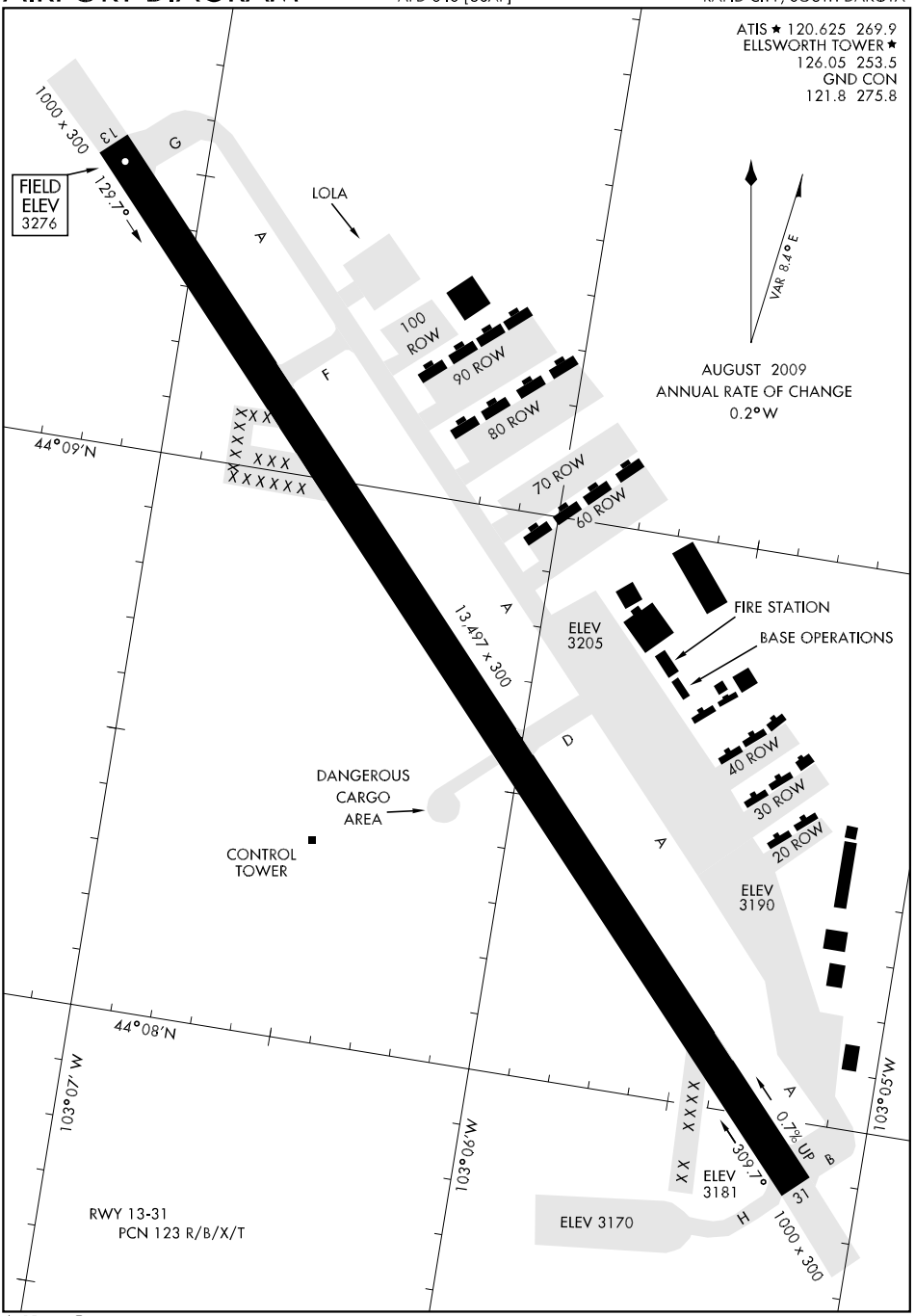


FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16



CATEGORY	A	B	C	D	E
S-32	3440/24 280 (300-½)			3440/50 280 (300-1)	
CIRCLING	3660-1 456 (500-1)		3660-1½ 456 (500-1½)	3820-2 616 (700-2)	3820-2¼ 616 (700-2¼)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010



NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

ELLSWORTH AFB (RCA)(KRCA) AF 5 SW UTC−7(−6DT) N44°08.71′ W103°06.21′ **CHEYENNE**
3276 B S4 TPA—See Remarks NOTAM FILE RCA Not insp. **H–2H, L–12G**
RWY 13–31: H13503X300 (CONC) PCN 123 R/B/X/T HIRL **DIAP, AD**
RWY 13: REIL. ALSF1. PAPI(P4L). **RWY 31:** REIL. ALSF1. PAPI(P4L).
MILITARY SERVICE: LGT Rwy 13 and Rwy 31 ILS & PAPI GS are not on coincidental.
JASU (AM32A–95) (A/M32A–86) **FUEL** J8 **FLUID** SP LPOX LOX–48 hr prior notice rqr.
OIL O–132–133–148 **TRAN ALERT** Svc avbl Mon–Fri 1500–2300Z‡, clsd Sat, Sun and holidays. If afld is open trans avbl on Sat and Sun from 1500–2300Z‡. Transient acft not allowed when transient alert not avbl. No fleet svc avbl.
MILITARY REMARKS: Opr Mon–Thu 1400–0730Z‡, Fri 1400–0300Z‡, CLOSED, Sat, Sun ACC down days and holidays. See Flip AP/1 Supplementary Arpt Information. **RSTD** All acft maintain at or abv 7700′ and 2640′ horizontal separation in the immediate vicinity of Mt. Rushmore, avoid Devils Twr by 5 NM. PPR all full stop acft ctc base ops no earlier than 72 hr prior to ETA. Fax DSN 675–1053, C605–385–1053. BWC–(severe) no APP/DEP without 28 OG/CC approval. (Moderate) takeoff/approaches with squadron ops officer or higher PPR only. Req BWC update before each approach prior to reaching the final apch fix. (Low) normal operating procedures in effect. **CAUTION** Extensive general aviation and commercial traffic in vicinity of Rapid City Arpt 6.5 NM SE of arpt. When on visual apch to Rwy 31 exercise extreme caution for civil high intensity parking lot lgt located 6600′ from end of rwy and in line with apch lgt system. Migratory bird activity Aug–Nov (phase II) and Mar–May (phase II), sfc to 5000′ AGL. Deer hazard, report any activity to Twr/PTD. **TFC PAT** TPA–Rectangular 4500(1224), overhead 5000(1724). Avoid over flight of base proper when circling to ldg. **MISC** Inbound VIP Code 7 or higher, ctc Raymond 33 15 min prior to block time with name, rank and purpose of visit. The Pride hangar is located just N of the base WX station. The height and size of the hangar blocks 20% of the horizon and hinders obsn of thunderstorm and other convective clouds. From the obs point, WX technicians are unable to see the tdz of both rwys. The S end wind sensor typically reads 10–15 kts lower than the N end during strong N wind events. AMOPS avbl to store classified up to secret, COMSEC issuing not avbl from AMOPS.
COMMUNICATIONS: SFA **ATIS** 120.625 269.9 (Mon–Fri 1400–0700Z‡, closed Sat, Sun and holidays) **PTD** 372.2
Ⓡ **APP CON** 119.5 259.1 (Opr 24 hrs, from Mon 1200Z‡ thru Sat 0400Z‡ Sat, Sun, 1200–0400Z‡)
Ⓡ **DEP CON** 119.5 289.4 (Opr 24 hrs, from Mon 1200Z‡ thru Sat 0400Z‡ Sat, Sun, 1200–0400Z‡) other times ctc.
DENVER CENTER APP/DEP CON 127.95 338.2 (Opr 24 hrs, from Sat 0400Z‡ thru Mon 1200Z‡, Sat, Sun 0400–1200Z‡)
TOWER 126.05 353.5 Mon–Thu 1400–0730Z‡, Fri 1400–0300Z‡, clsd Sat, Sun, ACC down days and holidays.
GND CON 121.8 275.8
COMD POST (Raymond 33) 321.0 (Have Quick timing avbl 287.7.)
PMSV METRO 375.775 (Full svc avbl during afld opr hrs (see NOTAM), limited svc other times. Remote briefing svc avbl Scott AFB 15 OWS DSN 576–9755, C618–256–9755.)
AIRSPACE: CLASS D svc Mon–Thu 1400–0730Z‡, Fri 1400–0300Z‡, closed Sat, Sun, ACC down days, and holidays other times CLASS E.
RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 326° 10.9 NM to fld. 3160/13E.
(L) TACAN Chan 25 RCA (108.8) N44°08.34′ W103°06.11′ at fld. 3219/11E. NOTAM FILE RCA. No NOTAM MP Mon 1330–1630Z‡. TACAN unusable 010°–020° byd 20 NM blo 10,000′.
ILS 111.5 I–ELR Rwy 13. Class IT. No NOTAM MP Tue, Thu 1300–1530Z‡.
ILS 110.3 I–RCA Rwy 31. Class IT. No NOTAM MP Tue, Thu 1300–1530Z‡.
ASR No-NOTAM MP Tue, Thu 1300–1530Z‡, clsd Sat, Sun, holidays other times Class E. Radar see Terminal FLIP for Radar Minima.

EUREKA MUNI (3W8) 2 N UTC−6(−5DT) N45°48.00′ W99°38.52′ **TWIN CITIES**
1935 B NOTAM FILE HON **L–14G**
RWY 12–30: H3100X60 (ASPH–AFSC) LIRL
RWY 07–25: 2100X150 (TURF)
RWY 07: Fence.
AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Rwy 07–25 marked with yellow and black metal A-frame markers. ACTIVATE LIRL Rwy 12–30—122.8.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE ABR.
ABERDEEN (H) VOR/DME 113.0 ABR Chan 77 N45°25.04′ W98°22.12′ 287° 58.3 NM to fld. 1301/7E.

ELLSWORTH AFB (KRCA)

ELLSWORTH-ONE DEPARTURE (RCA1•RCA)

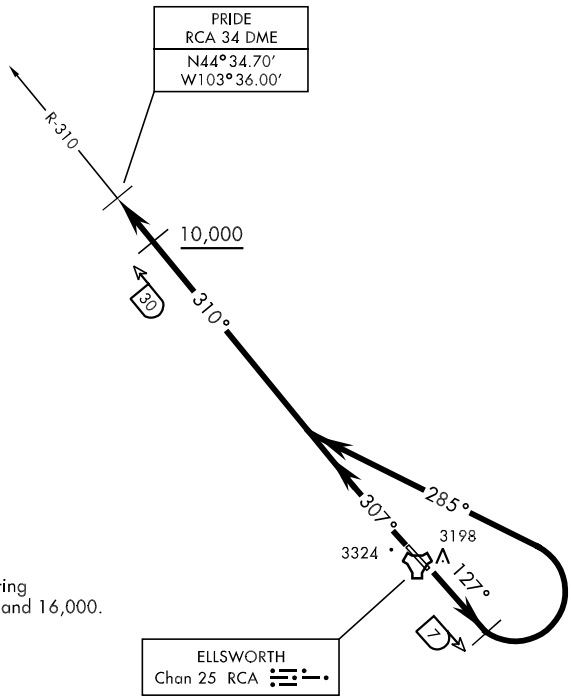
SHL-343 [USAF]

RAPID CITY, SOUTH DAKOTA

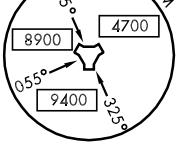
Rwy	Knots	60	120	180	240	300	360
31	V/V(fpm)	240	480	720	960	1200	1440

ATC Climb Rate to 10,000

ATIS ★120.625 269.9
GND CON
121.8 275.8
ELLSWORTH TOWER ★
126.05 253.5
ELLSWORTH DEP CON
119.5 289.4
DENVER CENTER
127.95 338.2
ELLSWORTH APP CON
119.5 259.1



CAUTION: Traffic transiting
IR-492 between 10,000 and 16,000.



Radar required for
Rwy 13 departure.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 13: Track 127° to RCA 7 DME. Turn left track 285° to intercept RCA R-310, outbound to PRIDE. Cross RCA 30 DME at or above 10,000.

TAKE-OFF RWY 31: Track 307° to intercept RCA R-310, outbound to PRIDE. Cross RCA 30 DME at or above 10,000.

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

HI-ILS or LOC RWY 13

LOC I-ELR	APCH CRS	Rwy ldg / TDZE / Arpt Elev
111.5	127°	13,497 / 3276 / 3276

JAL-343 [USAF]

ELLSWORTH AFB (KRCA)

* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT CD vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1

MISSED APPROACH: Track outbound RCA R-127 to 3 DME (CAVET), then turn left to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	

*** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.

RADAR or DME REQUIRED

R-308 128° 308° RCA 50 (IAF) STURG RCA 40 128° UBEDE RCA 18 HATNI RCA 15 Expect radar altimeter alert at 2.3 DME due to rising terrain on final. 307° 127° BEFNO /RADAR RCA 7.2 3999 3449 3379 CAVET RCA 3 ELLSWORTH Chan 25 RCA 4982 4387 LOCALIZER 111.5 I-ELR Rapid City Regional RCA 25 R-040 040° 220° RUUSH 15 RCA 20 NM

(a) (b) (c) (c) 058° 238° 308°

MSA RCA 2.5 NM 145° 055° 325° 8000 4700 8400

EMERG SAFE ALT 100 NM 9800

STURG 40 FL190 128° Intcp Lczr UBEDE 18 HATNI 15 BEFNO /RADAR 7.2 6600 6000 127° 2.8 AGBAH 1.9 TACAN 5200 GS 3.00° TCH 51 5.3 NM .5

CAVET RCA R-127 3 | 6000 RCA R-040 | RUUSH RCA 15

ELEV 3276

127° 5.8 NM from FAF

13 TDZE 3276 13,497 x 300 0.7% DOWN 31 3370 3348

HIRL Rwy 13-31

CATEGORY	C	D	E
S-ILS 13 ★	3476/24 200 (200-½)		
S-LOC 13 ★★	3780/50 504 (600-1)		3780/60 504 (600-1¼)
CIRCLING ★★★	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

LOC FAF to MAP 5.3 NM

Knots	120	140	160	180	200
Min:Sec	2:39	2:16	1:59	1:46	1:35

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

HI-ILS or LOC RWY 31

LOC I-RCA	APCH CRS	Rwy ldg / TDZE / Arpt Elev
110.3	307°	13,497 / 3192 / 3276

JAL-343 [USAF]

ELLSWORTH AFB (KRCA)

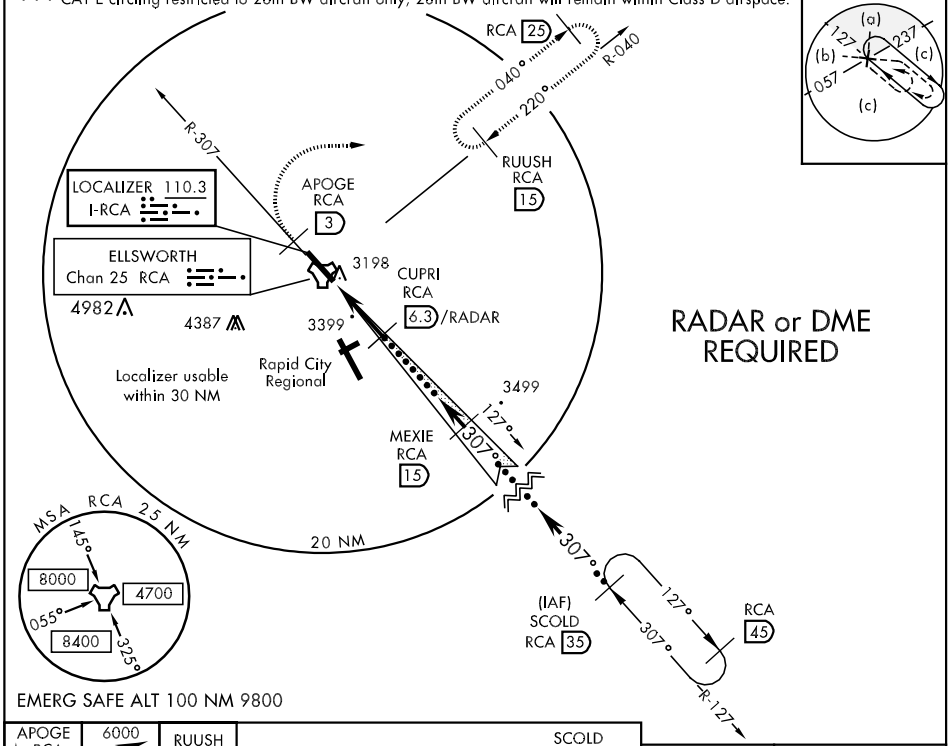
* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT C vis to 1¾ miles, CAT D vis to 2 miles, CAT E vis to 2¼ miles.

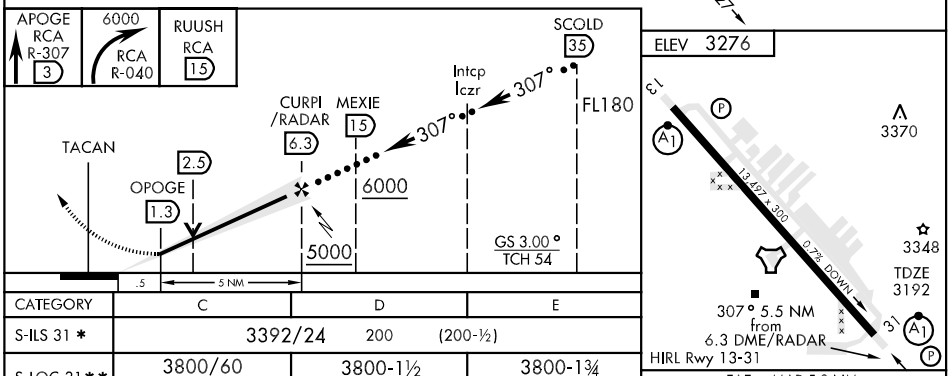
ALSF-1

MISSED APPROACH: Track outbound RCA R-307 to 3 DME (APOGE), then turn right to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	

*** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.





CATEGORY	C	D	E
S-ILS 31 *	3392/24 200 (200-½)		
S-LOC 31 **	3800/60 608 (600-1¼)	3800-1½ 608 (600-1½)	3800-1¾ 608 (600-1¾)
*** CIRCLING	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

FAF to MAP 5.0 NM					
Knots	120	140	160	180	200
Min:Sec	2:30	2:09	1:52	1:40	1:30

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

HI-TACAN RWY 13

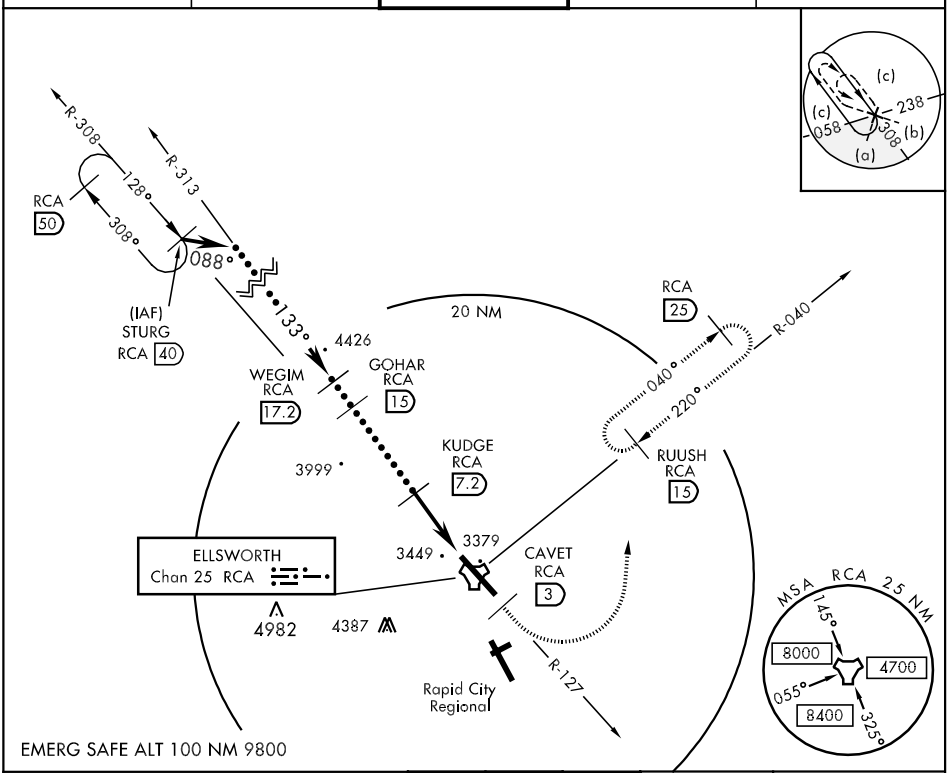
TACAN RCA Chan 25	APCH CRS 133°	Rwy ldg 13,497 TDZE 3276 Arpt Elev 3276	JAL-343 [USAF]	ELLSWORTH AFB (KRCA)

* When ALS inop, increase CAT CDE vis ½ mile.
** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.

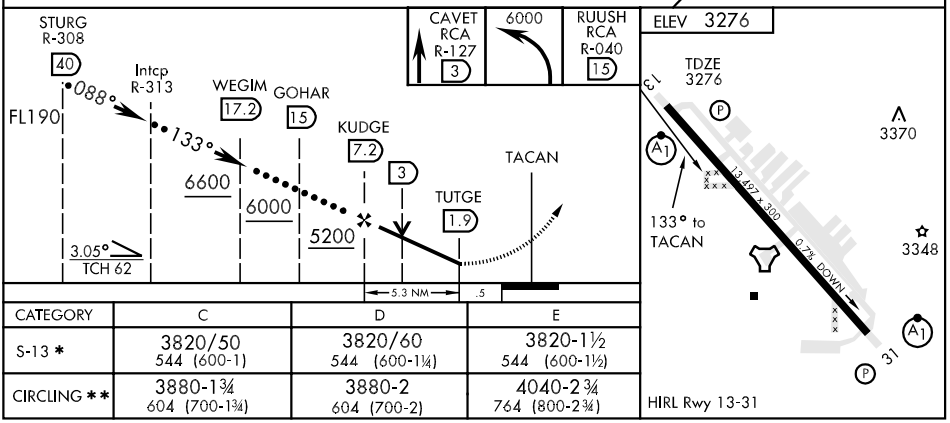
ALSF-1

MISSED APPROACH: Track outbound RCA R-127 to 3 DME (CAVET), then turn left to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	



EMERG SAFE ALT 100 NM 9800



CATEGORY	C	D	E
S-13 *	3820/50 544 (600-1)	3820/60 544 (600-1¼)	3820-1½ 544 (600-1½)
CIRCLING **	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010

HI-TACAN RWY 31

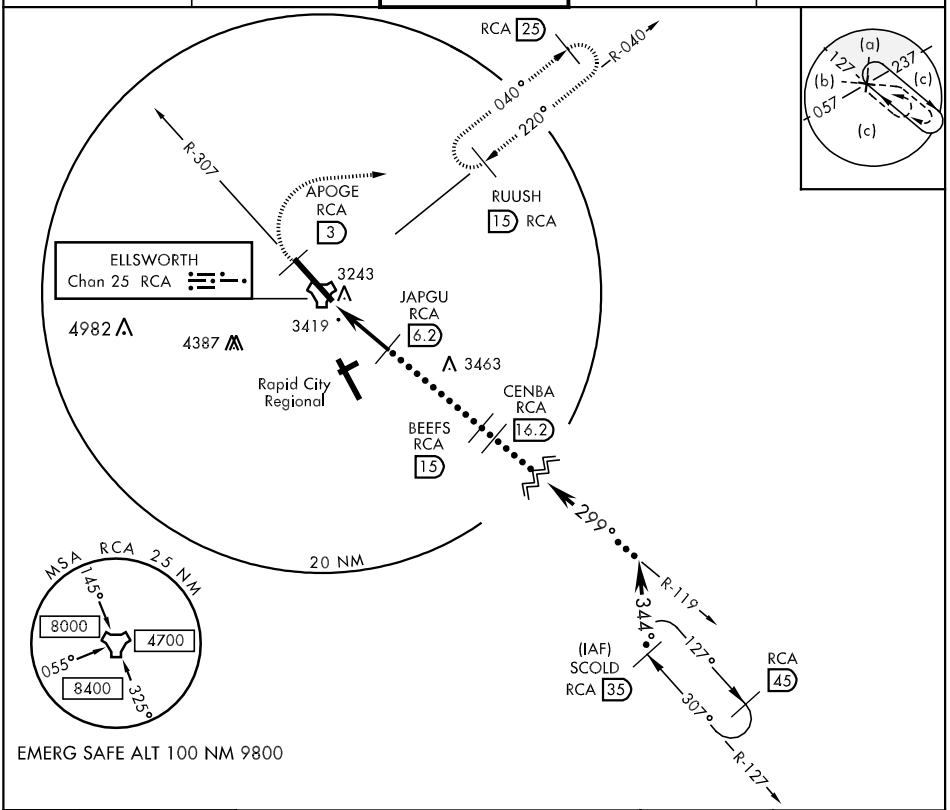
TACAN RCA Chan 25	APCH CRS 299°	Rwy ldg 13,497 TDZE 3192 Arpt Elev 3276	JAL-343 [USAF]	ELLSWORTH AFB (KRCA)

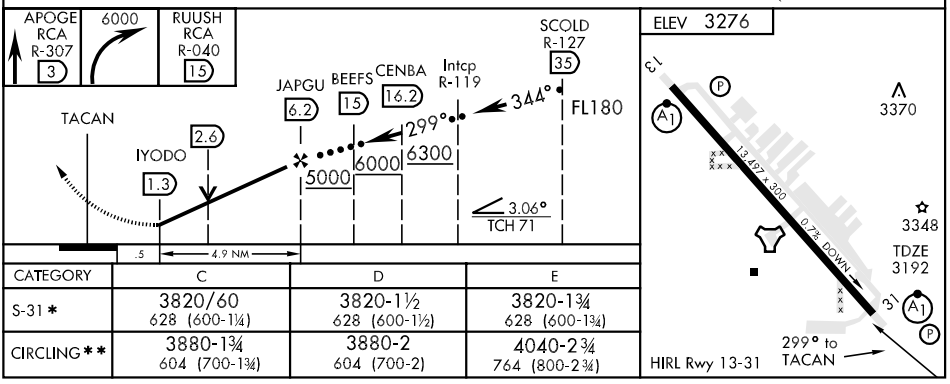
* When ALS inop, increase CAT CDE vis ½ mile.
** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.

ALSF-1

MISSED APPROACH: Track outbound RCA R-307 to 3 DME (APOGE), then turn right to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS *	ELLSWORTH APP CON	ELLSWORTH TOWER *	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	





CATEGORY	C	D	E
S-31 *	3820/60 628 (600-1¼)	3820-1½ 628 (600-1½)	3820-1¾ 628 (600-1¾)
CIRCLING **	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

ILS or LOC RWY 13

LOC I-ELR	APCH CRS	Rwy ldg / TDZE / Arpt Elev
111.5	127°	13,497 / 3276 / 3276

AL-343 [USAF]

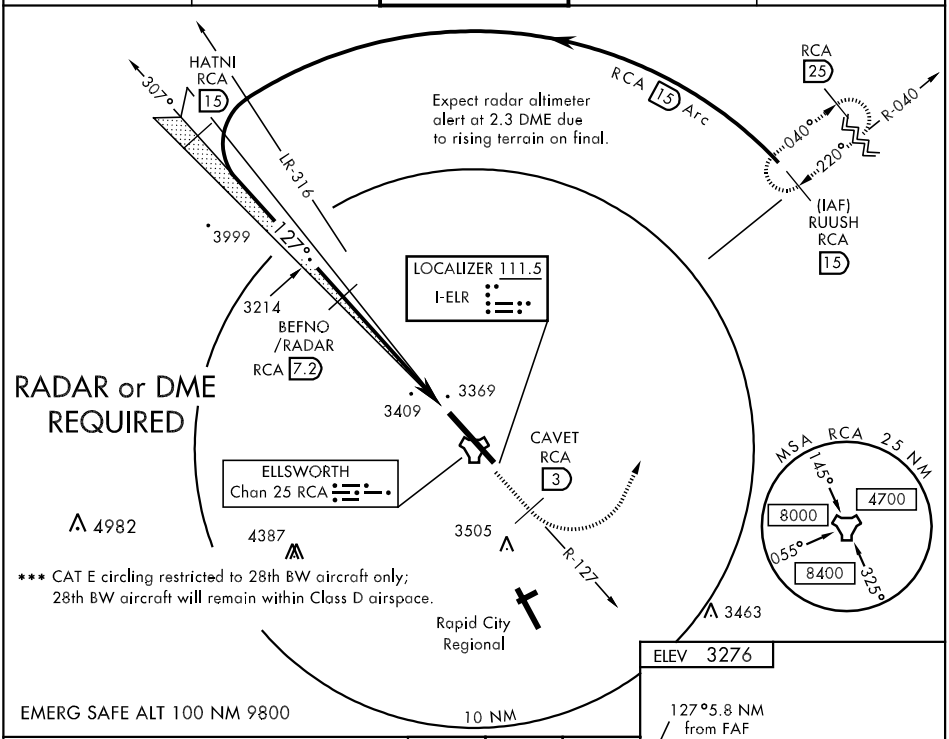
ELLSWORTH AFB (KRCA)

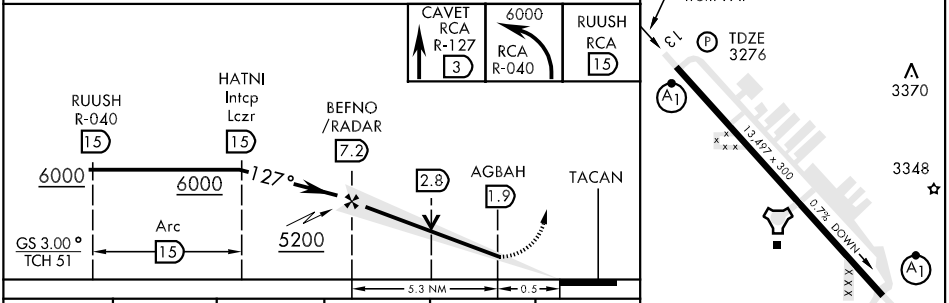
* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT CD vis to 1½ miles, CAT E vis to 1¾ miles.

ALSF-1 (A1)

MISSED APPROACH: Track outbound RCA R-127 to RCA 3 DME (CAVET), then turn left to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	





CATEGORY	A	B	C	D	E
S-ILS 13 *	3476/24		200	(200-½)	
S-LOC/DME 13 **	3780/24 504 (600-½)		3780/50 504 (600-1)		3780/60 504 (600-1¼)
CIRCLING ***	3860-1 584 (600-1)	3880-1 604 (700-1)	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

LOC FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

ILS or LOC RWY 31

LOC I-RCA	APCH CRS	Rwy ldg / TDZE / Arpt Elev
110.3	307°	13,497 / 3192 / 3276

AL-343 [USAF]

ELLSWORTH AFB (KRCA)

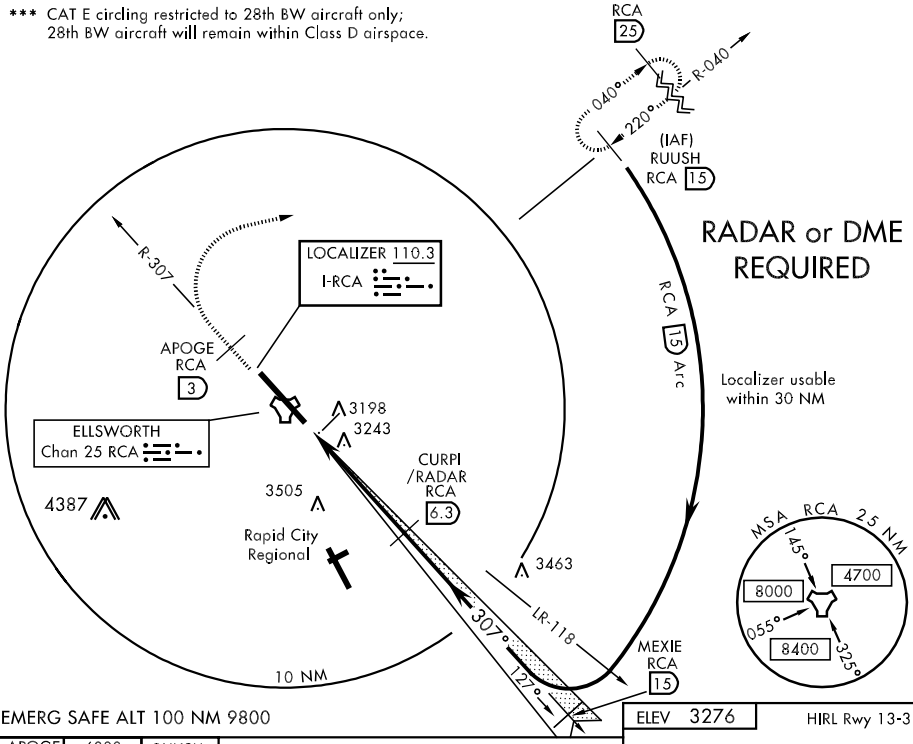
* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C vis to 1¾ miles, CAT D vis to 2 miles, CAT E vis to 2¼ miles.

ALSF-1

MISSED APPROACH: Track outbound RCA R-307 to 3 DME (APOGE), then turn right to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

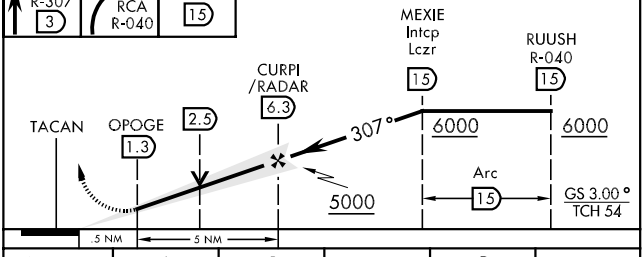
ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	

*** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.



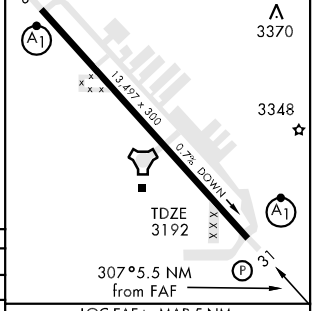
EMERG SAFE ALT 100 NM 9800

APOGE RCA R-307 3	6000 RCA R-040	RUUSH RCA 15



ELEV 3276

HIRL Rwy 13-31



CATEGORY	A	B	C	D	E
S-ILS 31 *	3392/24 200 (200-½)				
S-LOC/DME 31 **	3800/24 608 (600-½)		3800/60 608 (600-1¼)	3800-1½ 608 (600-1½)	3800-1¾ 608 (600-1¾)
CIRCLING***	3860-1 584 (600-1)	3880-1 604 (700-1)	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

LOC FAF to MAP 5 NM

Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

TACAN RWY 13

TACAN RCA Chan 25	APCH CRS 133°	Rwy ldg 13,497 TDZE 3276 Arpt Elev 3276

AL-343 [USAF]

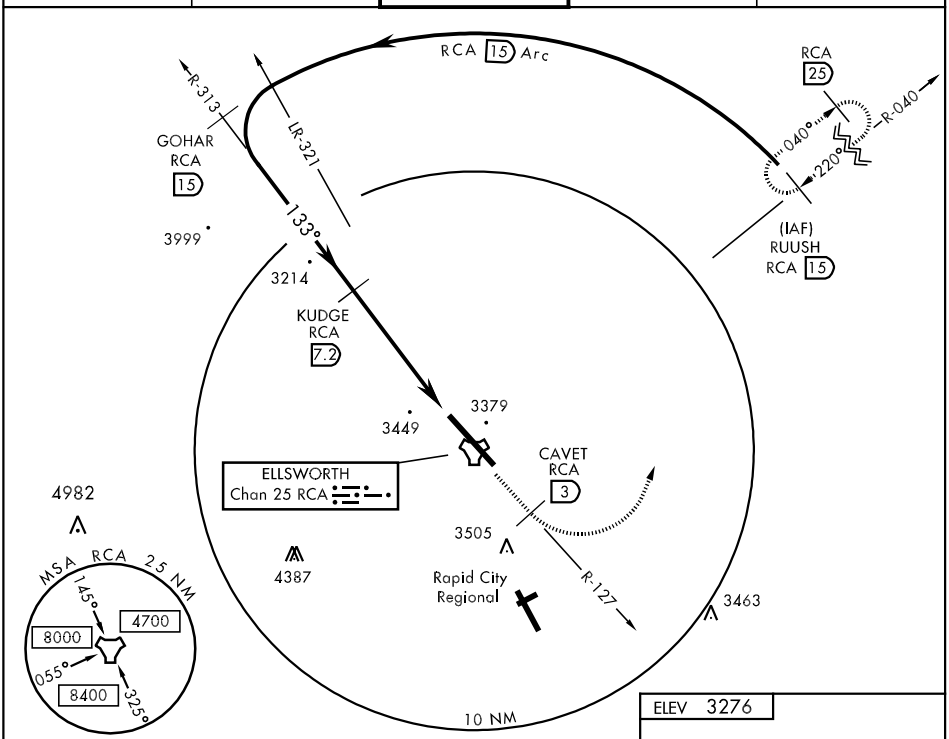
ELLSWORTH AFB (KRCA)

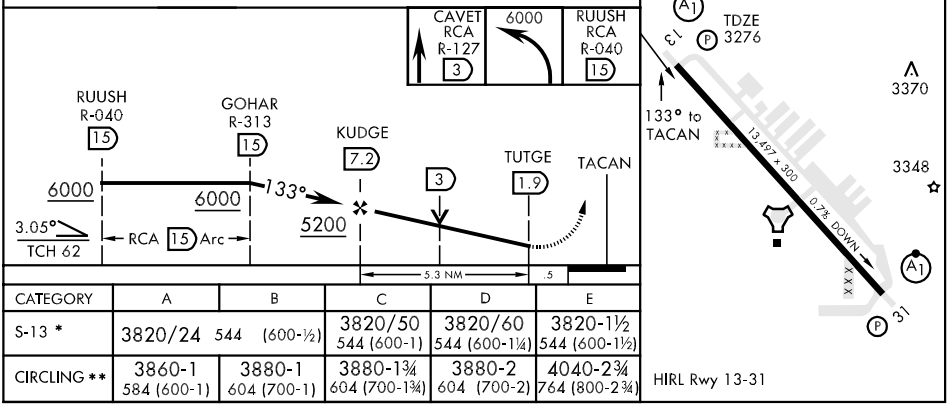
* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, increase CAT CDE vis ½ mile.
** CAT E circling restricted to 28th BW aircraft only; 28th BW,aircraft will remain within Class D airspace.

ALSF-1

MISSED APPROACH: Track outbound RCA R-127 to 3 DME (CAVET), then turn left to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	





CATEGORY	A	B	C	D	E
S-13 *	3820/24 544 (600-½)		3820/50 544 (600-1)	3820/60 544 (600-1¼)	3820-1½ 544 (600-1½)
CIRCLING **	3860-1 584 (600-1)	3880-1 604 (700-1)	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

TACAN RWY 31

TACAN RCA Chan 25	APCH CRS 299°	Rwy ldg 13,497 TDZE 3192 Arpt Elev 3276

AL-343 [USAF]

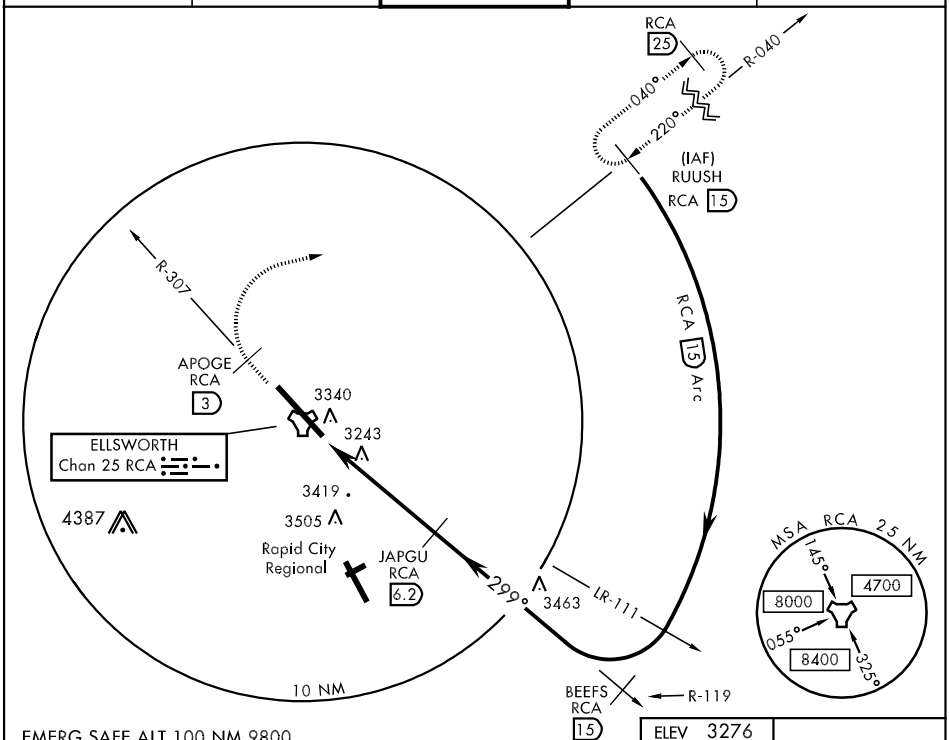
ELLSWORTH AFB (KRCA)

* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, increase CAT CDE vis ½ mile.
** CAT E circling restricted to 28th BW aircraft only; 28th BW aircraft will remain within Class D airspace.

ALSF-1

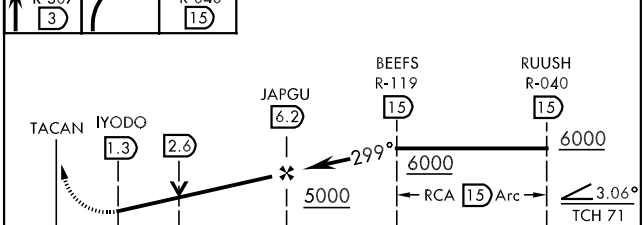
MISSED APPROACH: Track outbound RCA R-307 to 3 DME (APOGE), then turn right to join RCA R-040 outbound to (RUUSH) RCA 15 DME and hold. Maintain 6000.

ATIS ★	ELLSWORTH APP CON	ELLSWORTH TOWER ★	GND CON	ASR
120.625 269.9	119.5 259.1	126.05 253.5	121.8 275.8	



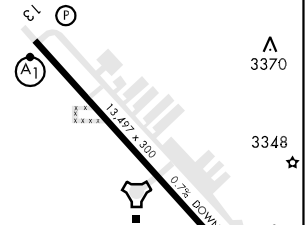
EMERG SAFE ALT 100 NM 9800

APOGE RCA R-307 3	6000	RUUSH RCA R-040 15



ELEV 3276

HIRL Rwy 13-31



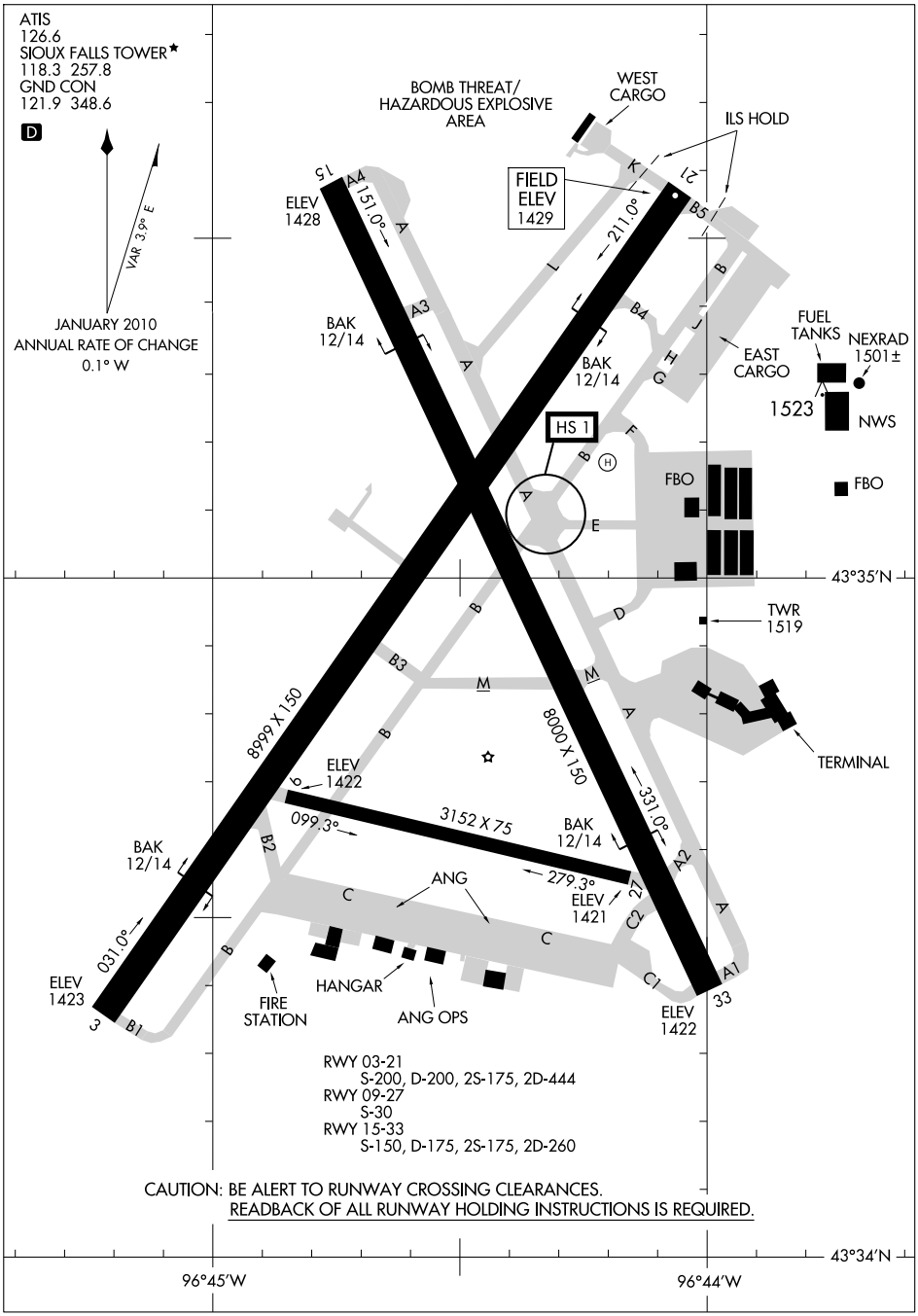
CATEGORY	A	B	C	D	E
S-31 *	3820/24 628 (600-½)		3820/60 628 (600-1¼)	3820-1½ 628 (600-1½)	3820-1¾ 628 (600-1¾)
CIRCLING **	3860-1 584 (600-1)	3880-1 604 (700-1)	3880-1¾ 604 (700-1¾)	3880-2 604 (700-2)	4040-2¾ 764 (800-2¾)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

AL-396 (FAA)

SIOUX FALLS/JOE FOSS FIELD (FSD)
SIOUX FALLS, SOUTH DAKOTA



NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

AIRPORT DIAGRAM

SIOUX FALLS, SOUTH DAKOTA
SIOUX FALLS/JOE FOSS FIELD (FSD)

10266

SIOUX FALLS

JOE FOSS FLD (FSD) 3 NW UTC–6(–5DT) N43°34.92′ W96°44.52′ **OMAHA**

1429 B S4 **FUEL** 100LL, JET A OX 1, 3 Class I, ARFF Index B NOTAM FILE FSD **H–5C, L–12I**

RWY 03–21: H8999X150 (CONC–WC) S–200, D–200, 2S–175, 2D–444 HIRL CL **IAP, AD**

RWY 03: MALSR. PAPI(P4L). Tree.

RWY 21: MALSR. TDZL. VASI(V4L)—GA 3.0° TCH 51′. Railroad.

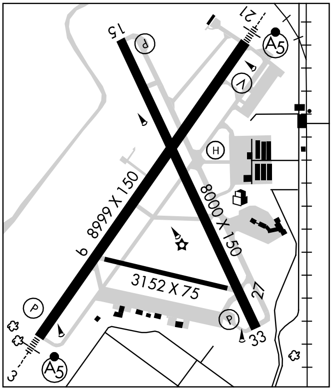
RWY 15–33: H8000X150 (CONC–GRVD) S–150, D–175, 2S–175, 2D–260 HIRL

RWY 15: REIL. PAPI(P4L)—GA 3.0° TCH 46′. Fence.

RWY 33: REIL. PAPI(P4L)—GA 3.0° TCH 42′. Trees.

RWY 09–27: H3152X75 (CONC–WC) S–30 MIRL

RWY 27: Poles.



RUNWAY DECLARED DISTANCE INFORMATION

RWY 03:	TORA–8999	TODA–8999	ASDA–8999	LDA–8999
RWY 09:	TORA–3152	TODA–3152	ASDA–3152	LDA–3152
RWY 15:	TORA–8000	TODA–8000	ASDA–8000	LDA–8000
RWY 21:	TORA–8999	TODA–8999	ASDA–8999	LDA–8999
RWY 27:	TORA–3152	TODA–3152	ASDA–3152	LDA–3152
RWY 33:	TORA–8000	TODA–8000	ASDA–8000	LDA–8000

ARRESTING GEAR/SYSTEM

RWY 03 ←BAK–14 BAK–12B(B) (1500′)

BAK–14 BAK–12B(B) (1500′) →**RWY 21**

RWY 15 ←BAK–14 BAK–12B(B) (1500′)

BAK–14 BAK–12B(B) (1500′) →**RWY 33**

AIRPORT REMARKS: Attended continuously. Waterfowl, birds and deer on and invof arpt. Migratory birds within 25 NM primarily between Mar–Nov. ATCT has limited visibility on Twy H, Twy G and Twy J between the east cargo ramp and Twy B. General aviation ramp restricted to 60,000 pounds. Rwy 09–27 avbl for taxi only, scheduled air carrier ops involve acft designed for 10 or more passengers seats and scheduled/unscheduled air carrier ops involv acft designed for 31 or more seats. Wide body acft must use wing walkers to taxi in front/behind parked F–16 acft. CAUTION: Marv skie–Lincoln county airport (Y14) located 7.2 miles sw of FSD and 2 miles east of Rokky has heavy VFR traffic. Arresting device BAK 14/12B(B) located 1500′ fm apch end Rwy 15 and Rwy 33. Arresting device BAK 14/12B(B) located 1500′ fm apch end Rwy 03 and Rwy 21. HIRL Rwys 03–21 and 15–33, MIRL Rwy 09–27 MALSR Rwy 03 and Rwy 21 preset on low ints 0600–1100Z‡. To increase ints and ACTIVATE REIL Rwys 15 and 33–CTAF. From 0600–1100Z‡ ACTIVATE HIRL Rwys 03–21 and 15–33, MIRL Rwy 09–27 and REIL Rwys 15 and 33, MALSR Rwy 03 and Rwy 21—CTAF. VASI Rwy 21 and PAPI Rwys 03, 15 and 33 opr 24 hrs. Flight Notification Service (ADCUS) avbl Mon–Fri 1400–2200Z‡ call 605–338–4384. After hrs call 605–373–3523 prior to departure.

WEATHER DATA SOURCES: ASOS (605) 331–7833. **HIWAS** 115.0 FSD. LLWAS.

COMMUNICATIONS: CTAF 118.3 **ATIS** 126.6 **UNICOM** 122.95

SIOUX FALLS RCO 122.2 (HURON RADIO)

® **SIOUX FALLS APP/DEP CON** 125.8 126.9 (1100–0600Z‡)

MINNEAPOLIS CENTER APP/DEP CON 132.05 (0600–1100Z‡)

SIOUX FALLS TOWER 118.3 (1100–0600Z‡) **GND CON** 121.9

AIRSPACE: CLASS D svc 1100–0600Z‡ other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE FSD.

SIOUX FALLS (H) VORTACW 115.0 FSD Chan 97 N43°38.97′ W96°46.87′ 148° 4.4 NM to fld. 1570/9E. **HIWAS.**

ROKKY NDB(H/LOM) 245 FS N43°29.65′ W96°49.73′ 030° 6.5 NM to fld. Unmonitored.

ILS 109.9 I–FSD Rwy 03. Class ID. LOM ROKKY NDB. LOM unmonitored. ILS unmonitored when twr clsd. LOC unusable byd 30° left of course.

ILS 111.1 I–JOU Rwy 21. Class ID. ILS unmonitored when twr clsd.

ASR (1100–0500Z‡)

• •

HELIPAD H1: H50X50 (ASPH)

HELIPORT REMARKS: Helicopter landing ops rstd to helipad only. Perimeter lgts.

HI-ILS or LOC RWY 3

SIOUX FALLS/JOE FOSS FIELD (KFSD)

LOC I-FSD	APCH CRS	Rwy ldg / TDZE / Arpt Elev	JAL-396 [USAF]
109.9	030°	8999 / 1423 / 1429	

T * RVR 1800 authorized with the use of Flight Director or Auto Pilot or Heads Up Display to DA. When ALS inop, increase CAT E vis to ¾ mile.

MALSR A5

MISSED APPROACH: Climb to 3400, then climbing left turn to 5000 via heading 240° and via FSD VORTAC R-269 to FRYRE (FSD 15 DME) and hold.

ATIS	SIOUX FALLS APP CON	SIOUX FALLS TOWER ★	GND CON	ASR
126.6	125.8 126.9 353.6	118.3 257.8	121.9 348.6	

** When ALS inop, increase CAT E vis to 1¾ mile.

SIOUX FALLS 115.0 FSD Chan 97

FRYRE FSD 15 2675

R-269 089° 269°

FSD 25

LOCALIZER 109.9 I-FSD

1527 1640 1665 3444 2442 1785

MAREY INT FSD R-167

† When local altimeter setting not received, use Brookings Regional altimeter setting and increase all DA 131′ and all MDA 140′, increase S-ILS CAT CDE RVR to 4000, S-LOC CAT C RVR to 6000, CAT D vis to 1½ miles, CAT E vis to 1¾ miles, Circling CAT C vis to 2 miles, CAT D vis to 2½ miles.

When ALS inop (while using Brookings Regional altimeter), increase S-ILS CAT E vis to 1 mile, and S-LOC CAT E vis to 1¾ miles.

MAREY INT minimums NA when using Brookings Regional altimeter setting.

030°

HETBO FSD 20

LOM ROKKY 245 FS

DME REQUIRED

20 NM

MSA FSD 25 NM 4500

YANKTON 5000 038° (17.1)

210° 015° (IAF) SKIES FSD 35

015° 195°

Max holding 265 KIAS

R-195

ENROUTE FACILITIES

3400 | 5000 hdg 240° | FRYRE FSD 15

EMERG SAFE ALT 100 NM 4600 FROM "FSD" VORTAC

ELEV 1429

TDZL/CL Rwy 21
REIL Rwy 15-33
MIRL Rwy 9-27
HIRL Rwy 3-21 and 15-33

8999 x 150 | 8000 x 150 | 3152 x 75

1519

TDZE 1423

1470

030° 5.7 NM from FAF

SKIES R-195 35

HETBO Intcp Lczr 20

FL180 015° 030° 5000

ROKKY LOM 3334

MAREY INT FSD R-167

GS 3.00° TCH 54

3400

1940 LOC

10.8 NM | 4.3 NM | 1.4 NM

CATEGORY	C	D	E
S-ILS 3 *†	1623/24	200	(200-½)
S-LOC 3 **†	1940/50 517 (600-1)	1940/60 517	(600-1¼)
CIRCLING †	1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)
MAREY FIX MINIMA			
S-LOC 3 †	1780/24 357 (400-½)	1780/40 357	(400-¾)

FAF to MAP 5.7 NM					
Knots	120	140	160	180	200
Min:Sec	2:51	2:27	2:08	1:54	1:43

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

HI-ILS RWY 21

LOC I-JOU 111.1	APCH CRS 210°	Rwy ldg 8999 TDZE 1429 Arpt Elev 1429

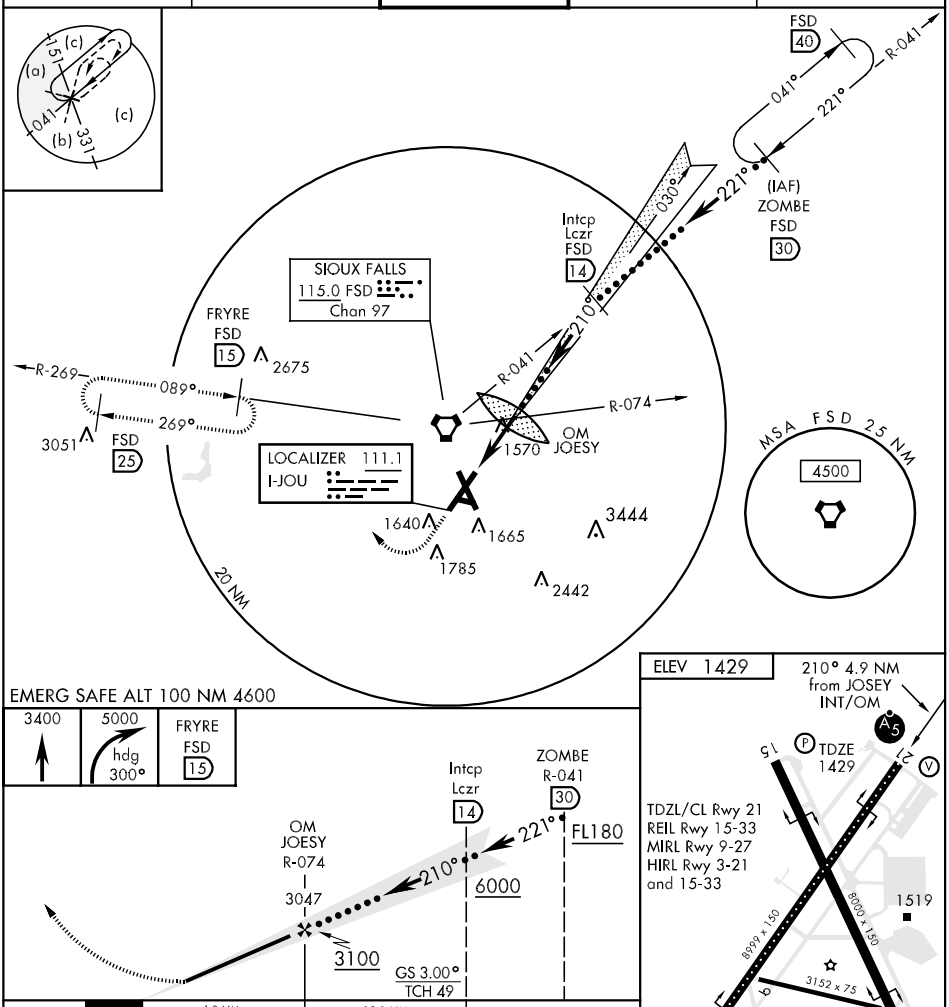
JAL-396 [USAF]

SIOUX FALLS/JOE FOSS FIELD (KFSD)

MALSR

MISSED APPROACH: Climb to 3400 then climbing right turn to 5000 via heading 300° and FSD R-269 to FRYRE 15 DME and hold.

ATIS	SIOUX FALLS APP CON	SIOUX FALLS TOWER ★	GND CON	ASR
126.6	125.8 126.9 353.6	118.3 257.8	121.9 348.6	



CATEGORY	C	D	E
S-ILS 21	1629/18 200 (200-⅜)		1629/24 200 (200-½)
S-LOC 21	1920/40 491 (500-¾)	1920/50 491 (500-1)	1920/60 491 (500-1¼)
CIRCLING	1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)

FAF to MAP 4.9 NM					
Knots	120	140	160	180	200
Min:Sec	2:27	2:06	1:50	1:38	1:28

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC FSD 115.0 Chan 97	APCH CRS 147°	Rwy ldg 8000 TDZE 1428 Arpt Elev 1429

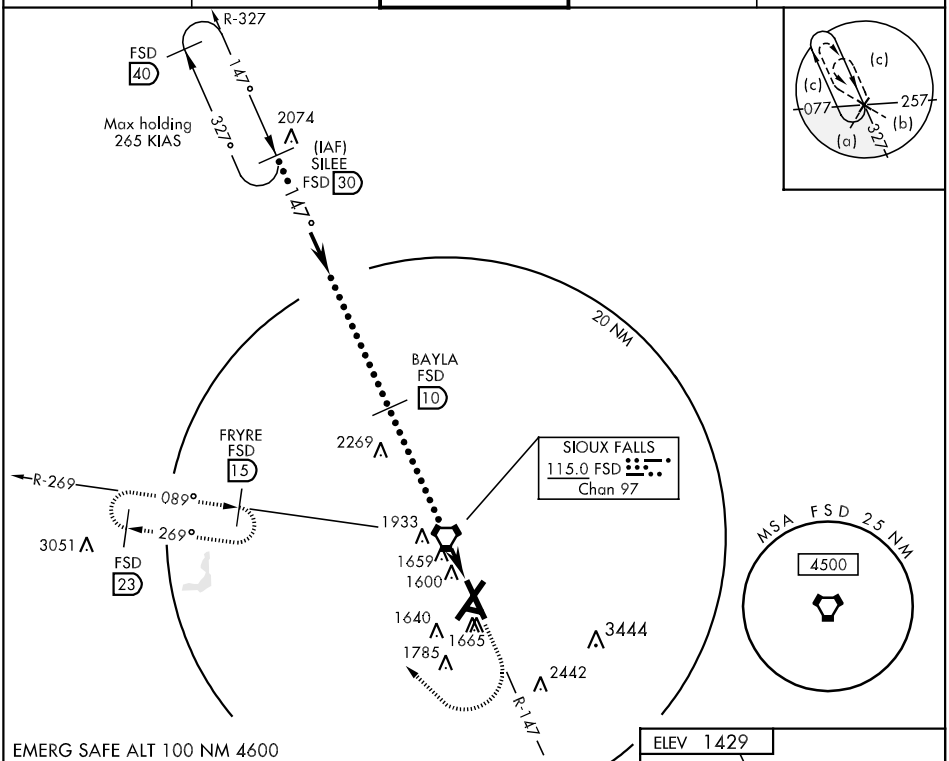
JAL-396 [USAF]

HI-TACAN RWY 15

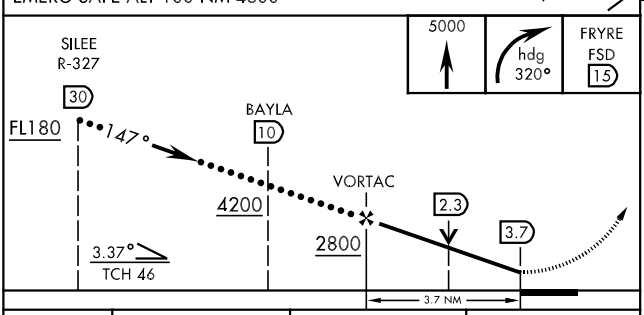
SIOUX FALLS/JOE FOSS FIELD (KFSD)

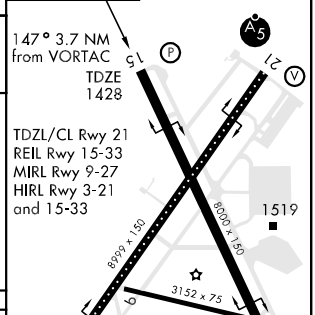
MISSED APPROACH: Climb to 5000 then right turn via heading 320° and FSD R-269 to FRYRE 15 DME and hold.

ATIS	SIOUX FALLS APP CON	SIOUX FALLS TOWER ★	GND CON	ASR
126.6	125.8 126.9 353.6	118.3 257.8	121.9 348.6	



EMERG SAFE ALT 100 NM 4600





CATEGORY	C	D	E
S-15	1920-1¼ 492 (500-1¼)	1920-1½ 492 (500-1½)	1920-1¾ 492 (500-1¾)
CIRCLING	1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
DULUTH, MN		
DULUTH INTL (DLH)	HS 1	Rwy 27 apch area.
	HS 2	Apch end of Rwy 27 located at Twy A5.
	HS 3	Rwy 21 via Twy A and Twy C complex int.
GRAND FORKS, ND		
GRAND FORKS INTL (GFK)	HS 1	Rwy 09L and Twy A int.
	HS 2	Rwy 17R and Twy B int.
MINNEAPOLIS, MN		
CRYSTAL (MIC)	HS 1	Short distance between rwys.
	HS 2	Short distance between rwys.
	HS 3	Short distance between rwys.
	HS 4	Int of Rwy 06R (sod) on Twy F.
	HS 5	Int of Rwy 24L (sod) on Twy D.
	HS 6	Multiple vehicle/pedestrian deviations occurrence.
	HS 7	Close proximity of Rwy 14R and Rwy 06R.
	HS 8	Rwy 24R proximity to Twy E and Twy B int.
MINNEAPOLIS, MN		
FLYING CLOUD (FCM)	HS 1	Hold position markings/sign proximity to Twy A.
	HS 2	Hold position markings/sign proximity to Twy A.
	HS 3	Hold position markings/sign proximity to Twy A.
	HS 4	Hold position markings/sign proximity to Twy A.
	HS 5	Hold position markings/sign proximity to Twy A.
	HS 6	Hold position markings/sign proximity to Twy A.
	HS 7	Hold position markings/sign proximity to Twy A.
	HS 8	Hold position markings/sign proximity to Twy A.
	HS 9	Rwy 18 apch area along Twy A.
	HS 10	Proximty of parallel rwys and holding positions.
	HS 11	Short distance between rwy hold short lines.
MINNEAPOLIS, MN		
MINNEAPOLIS-ST PAUL INTL/ WOLD-CHAMBERLAIN (MSP)	HS 1	Complex int of Twy A, Twy B, Twy C, Twy D, and Twy H in near proximity to Rwy 12R-30L and Rwy 04-22.
	HS 2	Complex twy/rwy geometry.
	HS 3	Complex int of Twy C, Twy D, Twy P, and Twy Q in near proximity to Rwy 12L-30R and Rwy 04-22.
	HS 4	Complex geometry at Rwy 04 apch end.
SIOUX FALLS, SD		
JOE FOSS FIELD (FSD)	HS 1	Complex twy int in close proximity of rwys.

*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

21 OCT 2010 to 18 NOV 2010
21 OCT 2010 to 18 NOV 2010

LOC I-FSD	APP CRS	Rwy ldg	8999
109.9	030°	TDZE	1423
		Apt Elev	1429

ILS or LOC RWY 3

SIOUX FALLS/JOE FOSS FIELD (FSD)

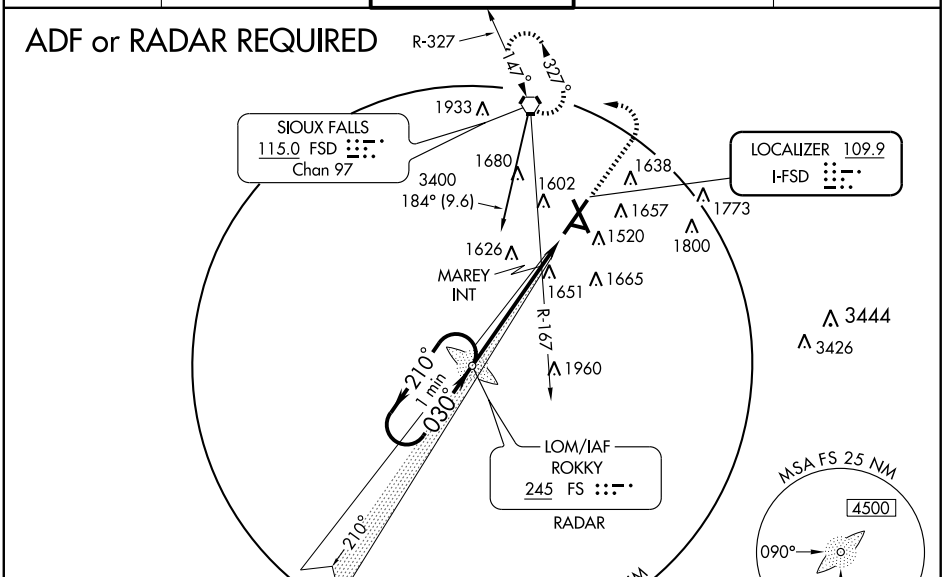
ASR

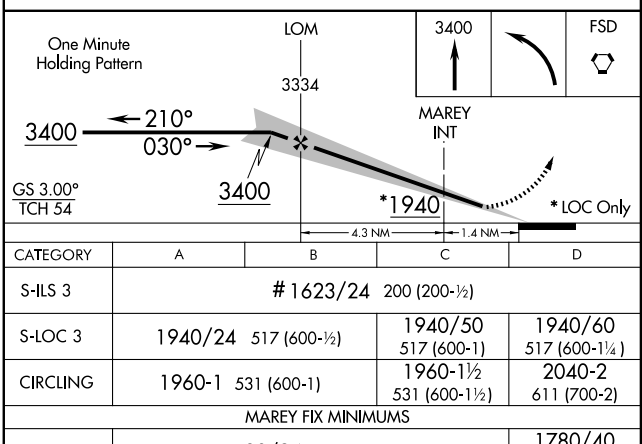
RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR

MISSED APPROACH: Climb to 3400 then left turn direct FSD VORTAC and hold.

ATIS	SIOUX FALLS APP CON ★	SIOUX FALLS TOWER ★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95

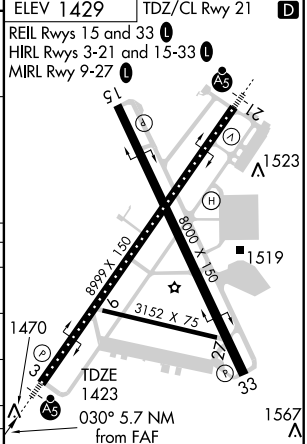




CATEGORY	A	B	C	D
S-ILS 3	# 1623/24 200 (200-½)			
S-LOC 3	1940/24 517 (600-½)		1940/50 517 (600-1)	1940/60 517 (600-1¼)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)
MAREY FIX MINIMUMS				
S-LOC 3	1780/24 357 (400-½)			1780/40 357 (400-¾)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)

ELEV 1429 TDZ/CL Rwy 21 D

REIL Rwys 15 and 33 L
HIRL Rwys 3-21 and 15-33 L
MIRL Rwy 9-27 L



FAF to MAP 5.7 NM					
Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

LOC I-JOU	APP CRS	Rwy ldg	8999
111.1	210°	TDZE	1429
		Apt Elev	1429

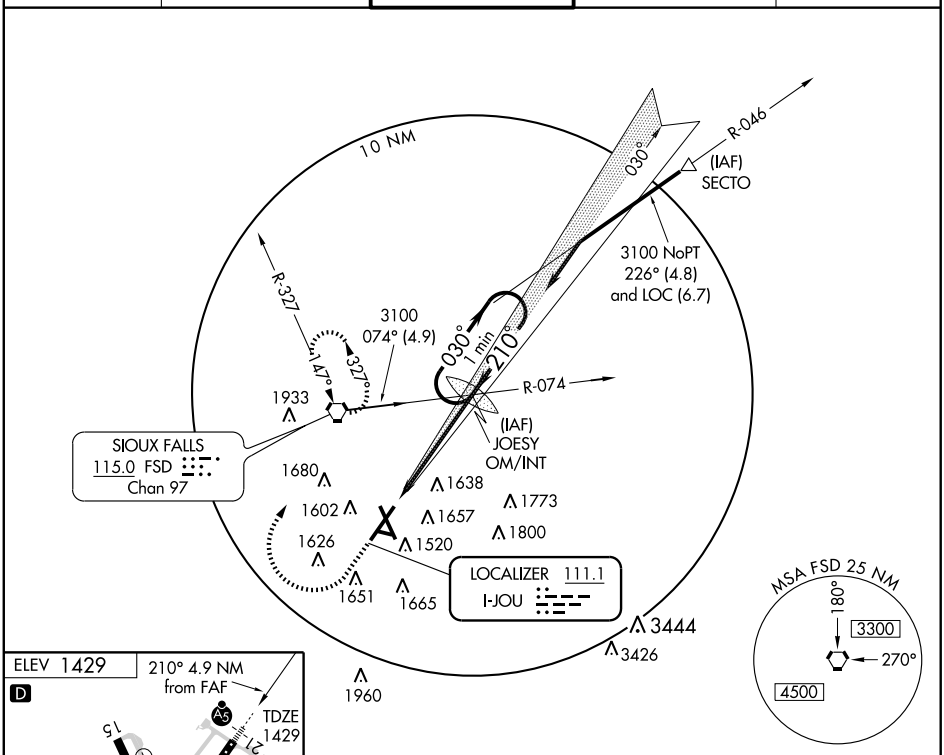
ILS or LOC RWY 21
SIOUX FALLS/JOE FOSS FIELD (FSD)

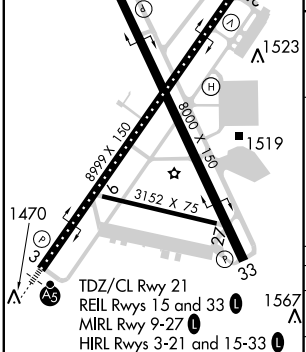
ASR

MALSR

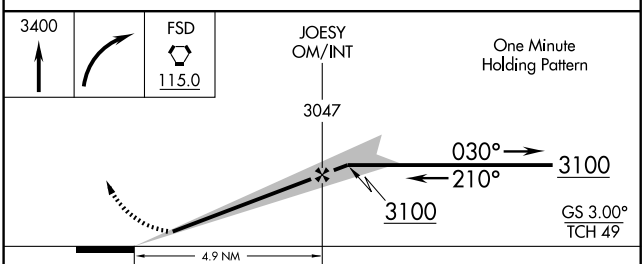
MISSED APPROACH: Climb to 3400 then right turn direct FSD VORTAC and hold.

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38



CATEGORY	A	B	C	D
S-ILS 21	1629/18 200 (200-½)			
S-LOC 21	1920/24 491 (500-½)		1920/40 491 (500-¾)	1920/50 491 (500-1)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	8999
030°	TDZE	1423
	Apt Elev	1429

RNAV (GPS) RWY 3
SIOUX FALLS/JOE FOSS FIELD (FSD)

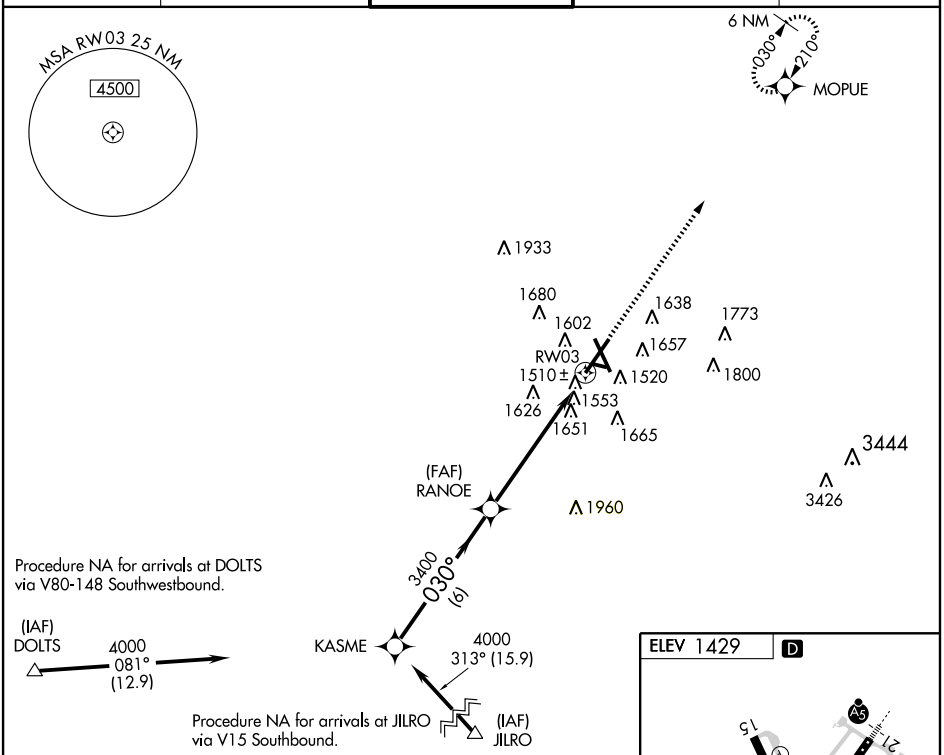
T
NA
ASR

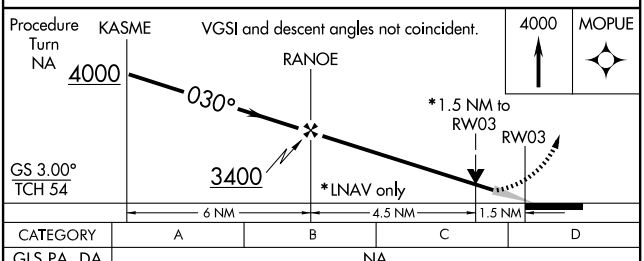
Baro-VNAV NA below -17°C (2°F).
DME/DME RNP- 0.3 NA.

MALSR

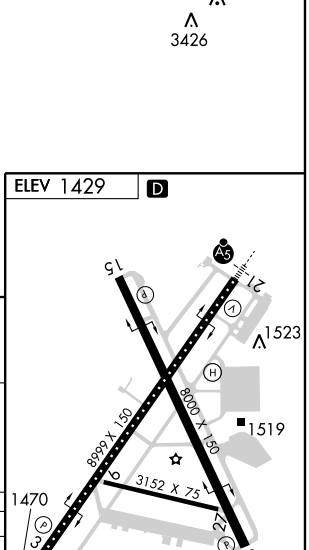
MISSED APPROACH: Climb to 4000 direct MOPUE WP and hold.

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1893/60 470 (500-1¼)			
LNAV MDA	1940/24 517 (600-½)		1940/50 517 (600-1)	1940/60 517 (600-1¼)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)



NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	3152
098°	TDZE	1423
	Apt Elev	1429

RNAV (GPS) RWY 9

SIOUX FALLS/JOE FOSS FIELD (FSD)

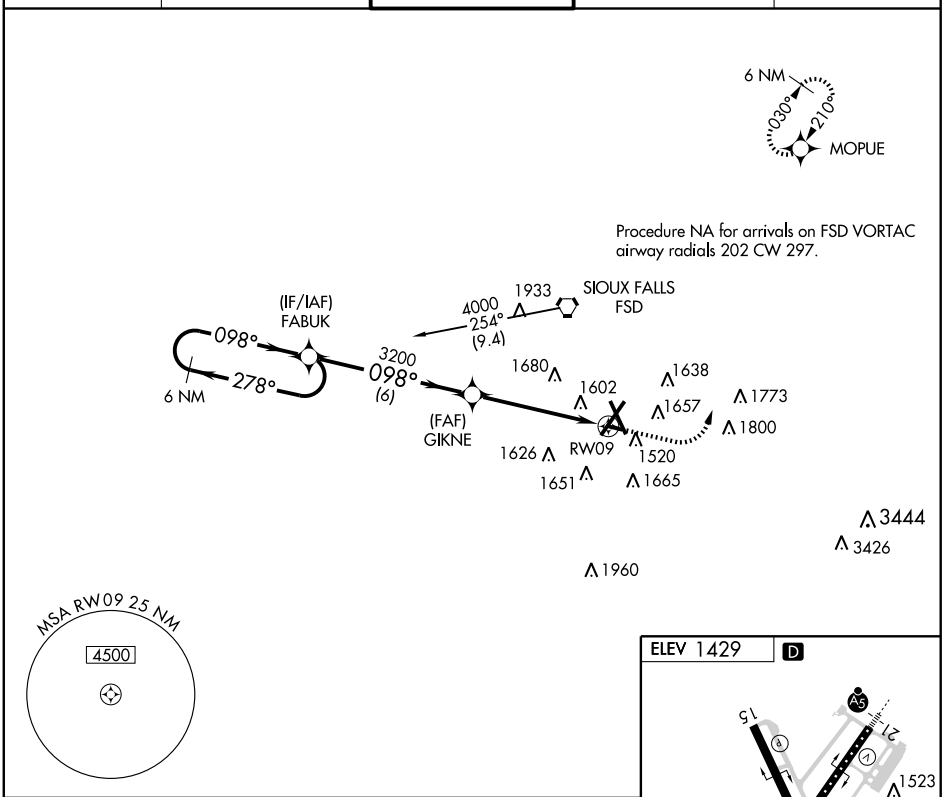
NA

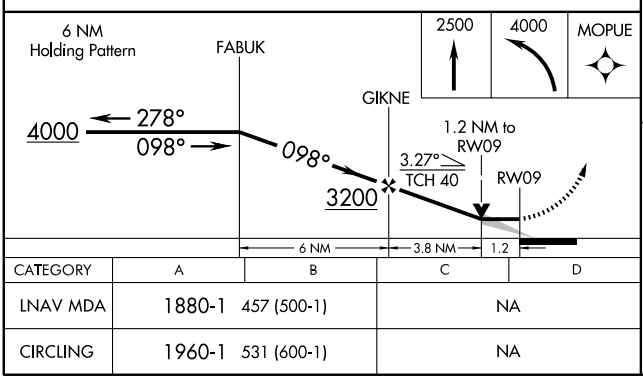
ASR

DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 2500 then climbing left turn to 4000 direct MOPUE WP and hold.

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





CATEGORY	A	B	C	D
LNAV MDA	1880-1	457 (500-1)	NA	
CIRCLING	1960-1	531 (600-1)	NA	

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	8000
150°	TDZE	1428
	Apt Elev	1429

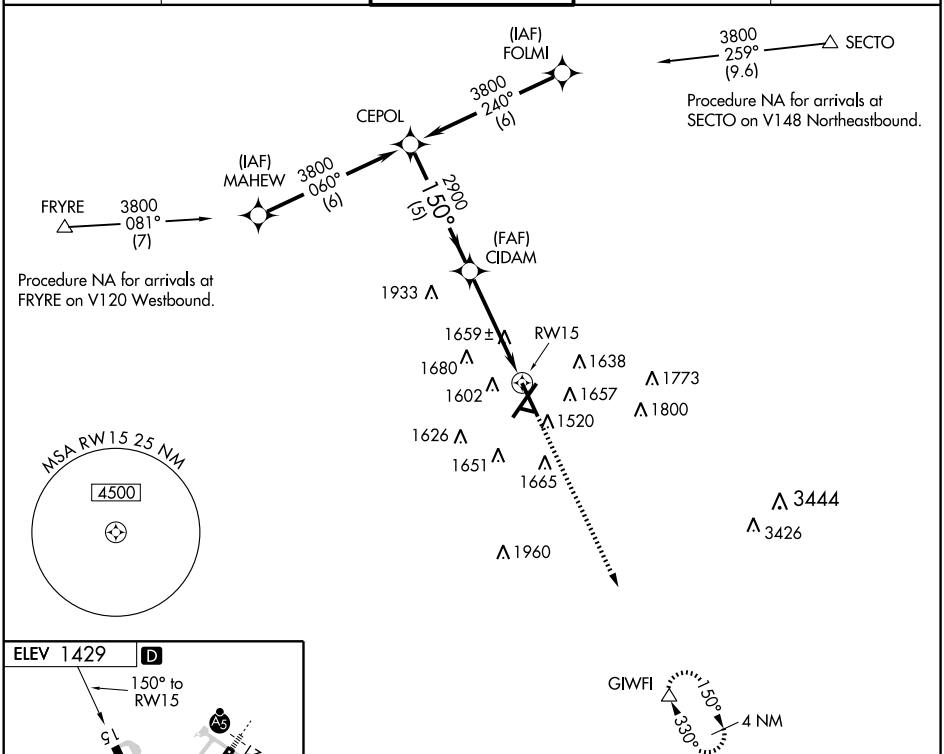
RNAV (GPS) RWY 15
SIOUX FALLS/JOE FOSS FIELD (FSD)

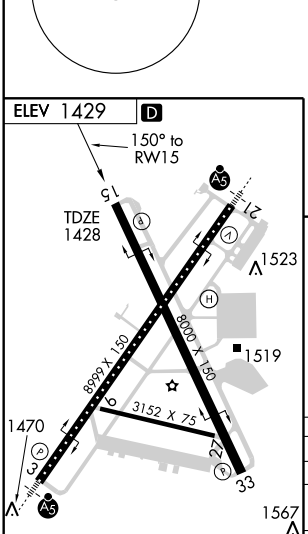
NA
ASR

DME/DME RNP-0.3 NA.
Baro-VNAV NA below -17°C (2°F).

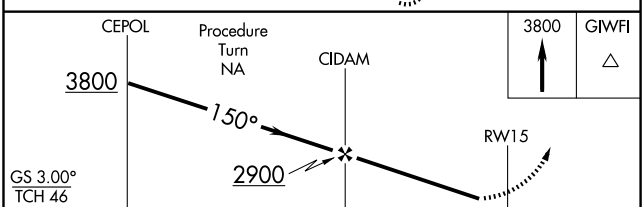
MISSED APPROACH: Climb to 3800 direct GIWFI WP and hold.

ATIS	SIOUX FALLS APP CON ★	SIOUX FALLS TOWER ★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





TDZ/CL Rwy 21
MIRL Rwy 9-27 L
REIL Rwys 15 and 33 L
HIRL Rwys 3-21 and 15-33 L



CATEGORY	A	B	C	D	E
GLS PA DA	NA				
LNAV/VNAV DA	1893-1¾ 465 (500-1¾)				
LNAV MDA	1920-1 492 (500-1)		1920-1¼ 492 (500-1¼)	1920-1½ 492 (500-1½)	1920-1¾ 492 (500-1¾)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	8999
210°	TDZE	1429
	Apt Elev	1429

RNAV (GPS) RWY 21
SIOUX FALLS/JOE FOSS FIELD (FSD)

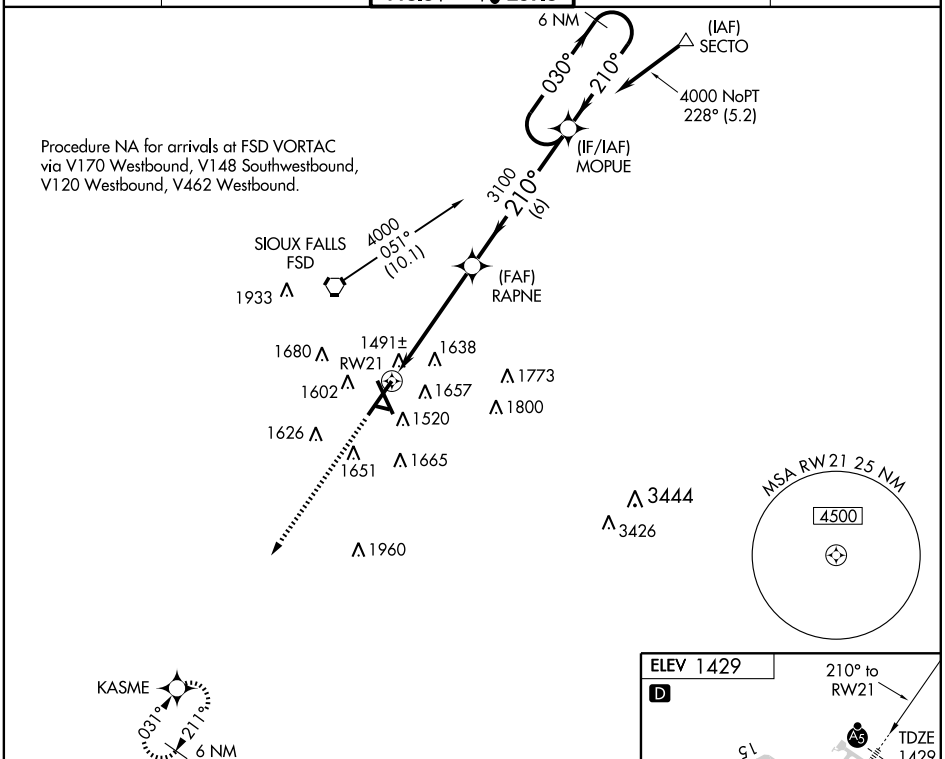
T
NA
ASR

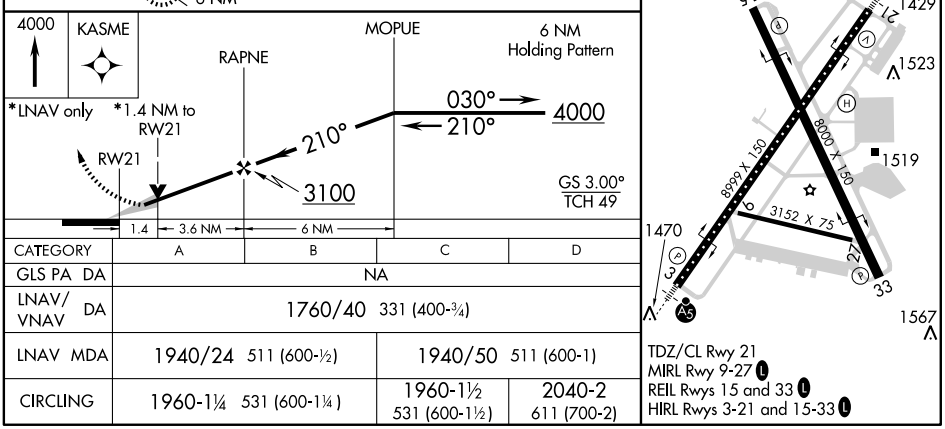
DME/DME RNP-0.3 NA.
Baro-VNAV NA below -17°C (2°F).

MALSR
A5

MISSED APPROACH: Climb to 4000 direct KASME WP and hold.

ATIS	SIOUX FALLS APP CON	SIOUX FALLS TOWER ★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1760/40 331 (400-¾)			
LNAV MDA	1940/24 511 (600-½)		1940/50 511 (600-1)	
CIRCLING	1960-1¼ 531 (600-1¼)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)

TDZ/CL Rwy 21
MIRL Rwy 9-27 L
REIL Rwys 15 and 33 L
HIRL Rwys 3-21 and 15-33 L

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APP CRS	Rwy ldg	3152
272°	TDZE	1423
	Apt Elev	1429

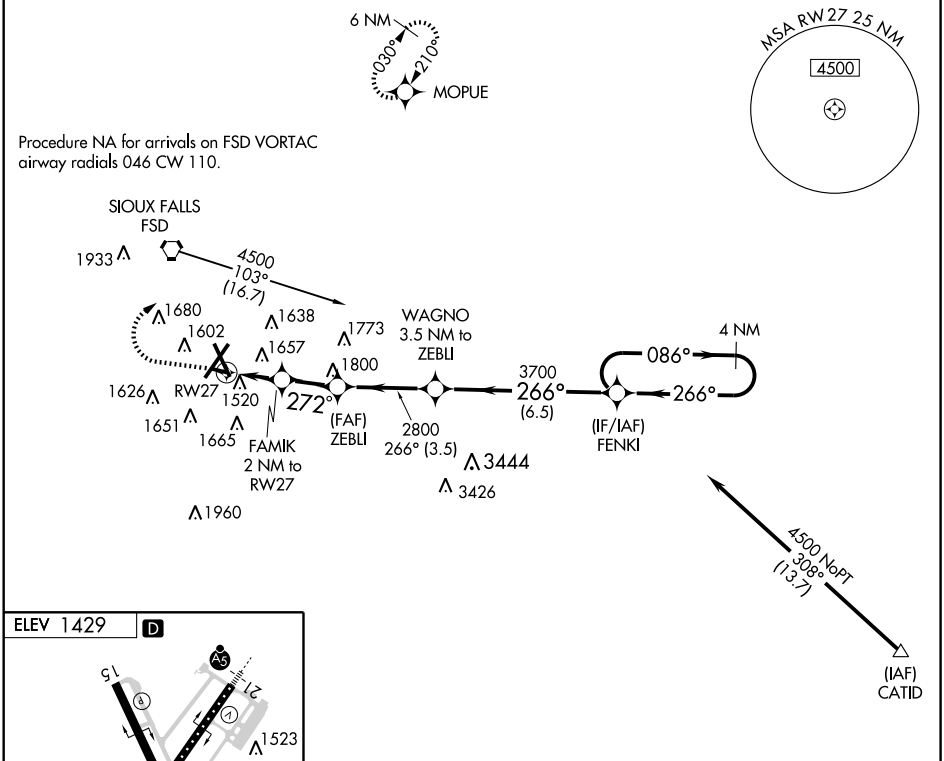
RNAV (GPS) RWY 27
SIOUX FALLS/JOE FOSS FIELD (FSD)

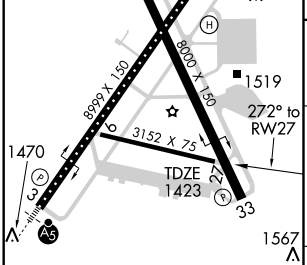
NA
ASR

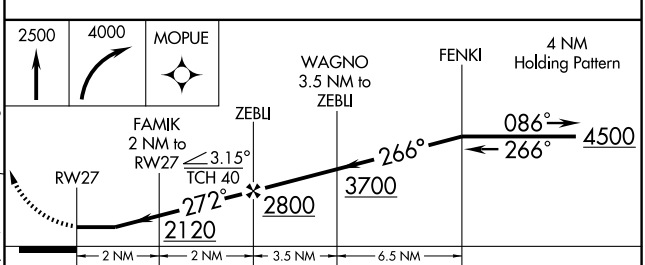
DME/DME RNP- 0.3 NA.

MISSED APPROACH: Climb to 2500, then climbing right turn to 4000 direct MOPUE WP and hold.

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF)(L) 257.8	121.9 348.6	122.95







CATEGORY	A	B	C	D
LNAV MDA	1960-1 537 (600-1)		NA	
CIRCLING	1960-1 531 (600-1)		NA	

TDZ/CL Rwy 21
MIRL Rwy 9-27 (L)
REIL Rwys 15 and 33 (L)
HIRL Rwys 3-21 and 15-33 (L)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

APP CRS	Rwy ldg	8000
330°	TDZE	1423
	Apt Elev	1429

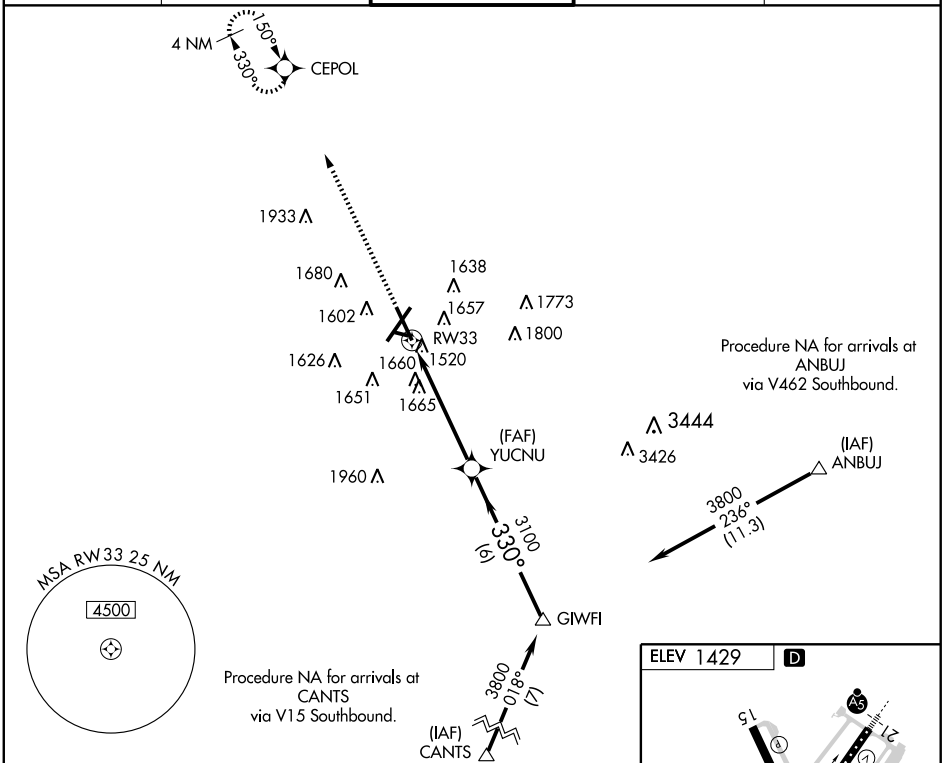
RNAV (GPS) RWY 33
SIOUX FALLS/JOE FOSS FIELD (FSD)

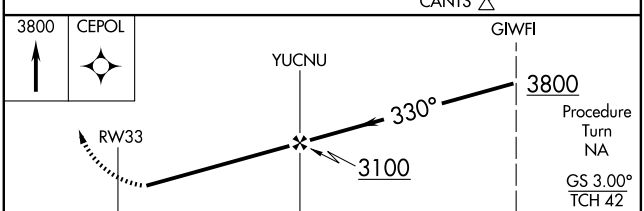
NA
ASR

DME/DME RNP-0.3 NA.
Baro-VNAV NA below -17°C (2°F).

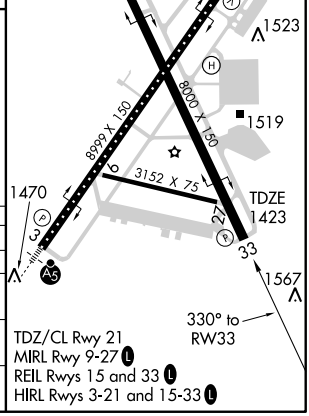
MISSED APPROACH: Climb to 3800 direct CEPOL WP and hold.

ATIS	SIOUX FALLS APP CON ★	SIOUX FALLS TOWER ★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	1964-2 541 (600-2)			
LNAV MDA	1920-1 497 (500-1)		1920-1¼ 497 (500-1¼)	1920-1½ 497 (500-1½)
CIRCLING	1960-1 531 (600-1)		1960-1½ 531 (600-1½)	2040-2 611 (700-2)



NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC FSD	APP CRS	Rwy ldg	8000
115.0	326°	TDZE	1423
Chan 97		Apt Elev	1429

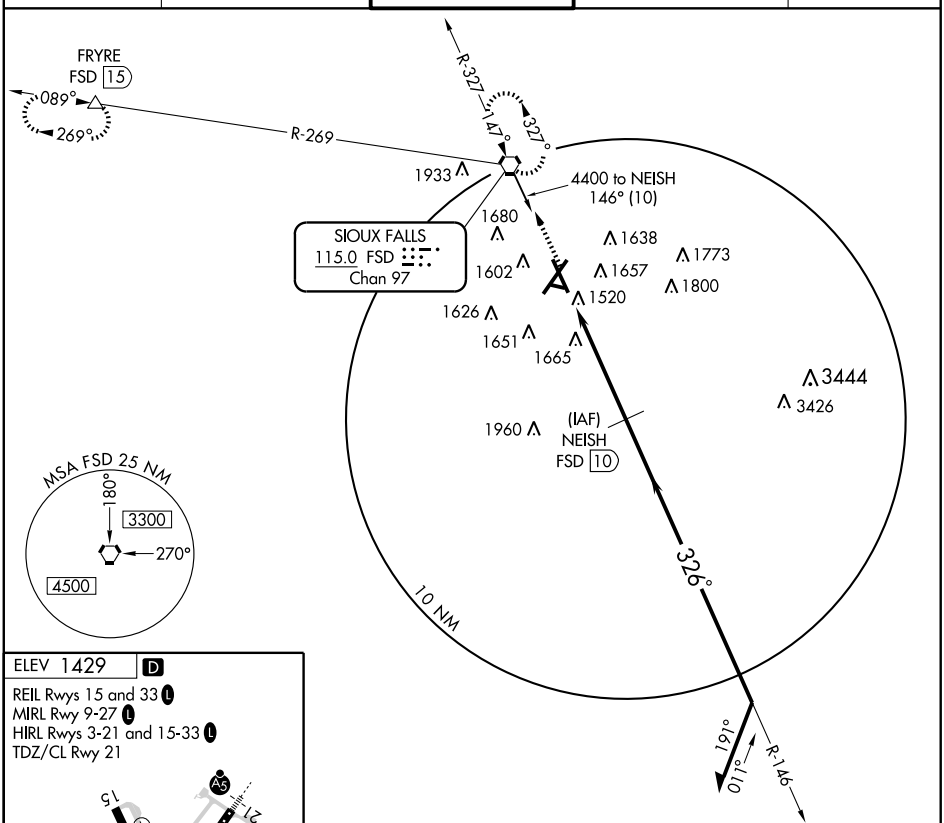
VOR/DME or TACAN RWY 33

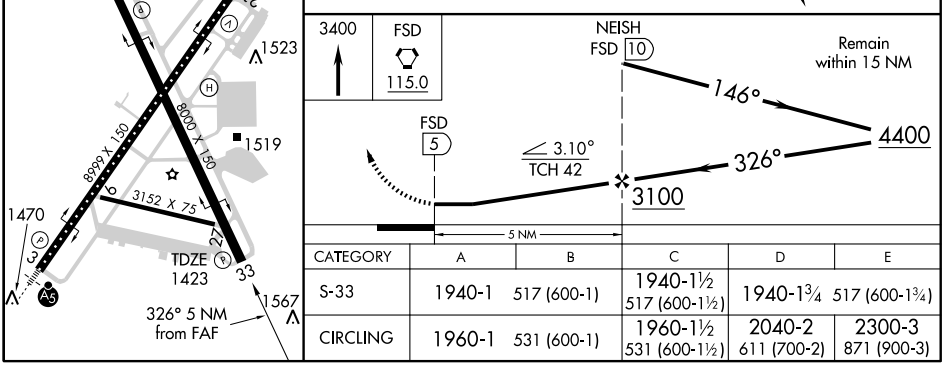
SIOUX FALLS/ JOE FOSS FIELD (FSD)

T A ASR

MISSED APPROACH: Climb to 3400 direct FSD VORTAC and hold. (TACAN aircraft continue climb to 5000 via FSD R-269 to FRYRE 15 DME and hold west, right turns, 089° inbound.)

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3 (CTAF) L 257.8	121.9 348.6	122.95





CATEGORY	A	B	C	D	E
S-33	1940-1	517 (600-1)	1940-1½ 517 (600-1½)	1940-1¾	517 (600-1¾)
CIRCLING	1960-1	531 (600-1)	1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)

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VORTAC FSD	APP CRS	Rwy ldg	8000
115.0	147°	TDZE	1428
Chan 97		Apt Elev	1429

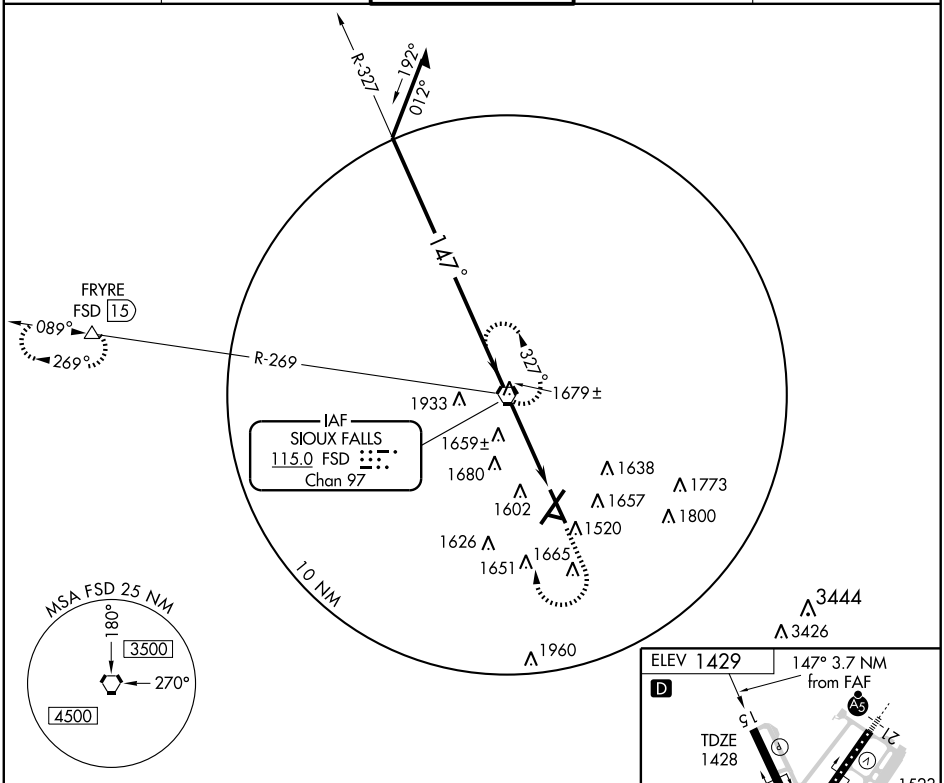
VOR or TACAN RWY 15

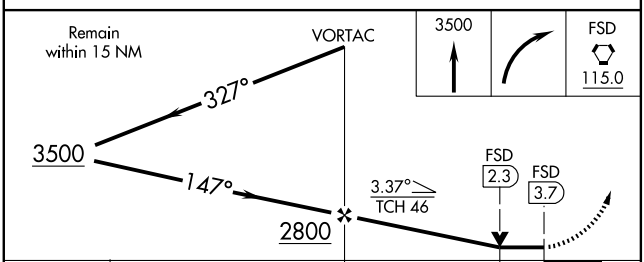
SIOUX FALLS/JOE FOSS FIELD (FSD)

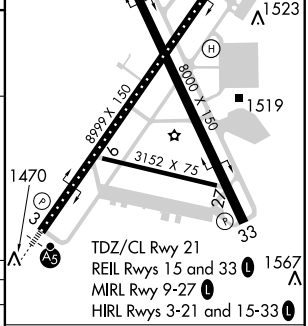
ASR

MISSED APPROACH: Climb to 3500 then right turn direct FSD VORTAC and hold. (TACAN aircraft continue climb to 5000 via FSD R-269 to FRYRE 15 DME and hold west, right turns, 089° inbound)

ATIS	SIOUX FALLS APP CON★	SIOUX FALLS TOWER★	GND CON	UNICOM
126.6	125.8 353.6	118.3(CTAF)L 257.8	121.9 348.6	122.95







CATEGORY	A	B	C	D	E
S-15	1920-1	492 (500-1)	1920-1¼ 492 (500-1¼)	1920-1½ 492 (500-1½)	1920-1¾ 492 (500-1¾)
CIRCLING	1960-1	531 (600-1)	1960-1½ 531 (600-1½)	2040-2 611 (700-2)	2300-3 871 (900-3)

FAF to MAP 3.7 NM					
Knots	60	90	120	150	180
Min:Sec	3:42	2:28	1:51	1:29	1:14

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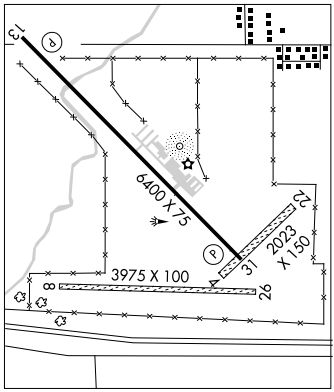
NC-1, 21 OCT 2010 to 18 NOV 2010

SISSETON MUNI (8D3) 3 E UTC−6(−5DT) N45°40.25′ W96°59.77′ **TWIN CITIES**
1161 B **FUEL** 100LL NOTAM FILE HON **L–14G**
RWY 16–34: H3400X60 (ASPH) S–12 MIRL
RWY 16: PAPI (P2L). Road. **RWY 34:** PAPI (P2L). Fence.
RWY 04–22: 1932X150 (TURF)
RWY 04: Poles. **RWY 22:** Tree.
AIRPORT REMARKS: Unattended. Fuel avbl 24 hrs with credit card. Rwy 04–22 CLOSED winter months. Waterfowl and gulls on and invof arpt. Rwy 04–22 marked with white cones.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
WATERTOWN (L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 359° 41.9 NM to fld. 1762/9E.
HIWAS.

SPEARFISH N44°19.63′ W103°50.10′ **CHEYENNE**
RCO 122.55 (HURON RADIO) **L–13E**

SPEARFISH

BLACK HILLS–CLYDE ICE FLD (SPF) 3 E UTC−7(−6DT) N44°28.87′ W103°47.16′ **CHEYENNE**
3931 B S4 **FUEL** 100LL, JET A OX 1, 3 NOTAM FILE SPF **H–2H, L–12F, 13E**
RWY 13–31: H6400X75 (ASPH) S–33, D–45 MIRL 0.4% up SE **IAP**
RWY 13: PAPI(P4L)—GA 3.0° TCH 25′. Hill. Rgt tfc.
RWY 31: PAPI(P4L)—GA 3.0° TCH 25′. Road.
RWY 08–26: 3975X100 (TURF) 0.7% up W
RWY 04–22: 2023X150 (TURF) 2% up SW
RWY 04: Highway. **RWY 22:** Fence.
AIRPORT REMARKS: Attended 1430Z‡–dusk. For attendant after hours call 605–642–2656/641–2787. Wildlife on and invof arpt. Rwy 22 4′ fence 50′ right 141′ fm thld and 50′ left 175′ fm thld. Irregular ops in and out of private airfield located approximately 3300′ S of arpt, check CTAF frequency for status. No snow removal on turf rwys, confirm conditions with arpt manager, call 605–642–4112/2656. Rwy 04–22 and Rwy 08–26 marked with black and white edge markers. ACTIVATE MIRL Rwy 13–31—CTAF.
WEATHER DATA SOURCES: AWOS–3 118.325 (605) 642–8536.
COMMUNICATIONS: CTAF/UNICOM 122.7
SPEARFISH RCO 122.55 (HURON RADIO)
ELLSWORTH APP/DEP 119.5 (Opr 24 hrs, from Mon 1200Z‡ thru Sat 0400Z‡, Sat, Sun 1200–0400Z‡), other times ctc **DENVER CENTER** 127.95.



RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 299° 45.0 NM to fld. 3160/13E.
NDB (MHW) 300 SPF N44°29.06′ W103°47.06′ at fld. NOTAM FILE SPF.

SPRINGFIELD MUNI (YØ3) 1 N UTC−6(−5DT) N42°52.80′ W97°54.07′ **OMAHA**
1324 B S7 **FUEL** 100LL, JET A NOTAM FILE HON **L–12H**
RWY 15–33: H3500X60 (ASPH) S–12.5 MIRL
RWY 15: PAPI(P2L)—GA 3.0° TCH 25′. **RWY 33:** PAPI(P2L)—GA 3.0° TCH 25′. Road.
RWY 01–19: 1900X100 (TURF)
RWY 19: Fence.
AIRPORT REMARKS: Unattended. For fuel call 605–369–2426. Wildlife on and invof arpt. Rwy 01 has a fence 75′ from thld; top of fence is 3′ blo rwy end. Rwy 01–19 marked with yellow and black metal A-frame markers. ACTIVATE MIRL Rwy 15–33 and PAPI Rwy 15 and Rwy 33—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE YKN.
YANKTON (L) VORW/DME 111.4 YKN Chan 51 N42°55.10′ W97°23.10′ 257° 22.9 NM to fld. 1301/7E.

APP CRS	Rwy ldg	6400
114°	TDZE	3888
	Apt Elev	3931

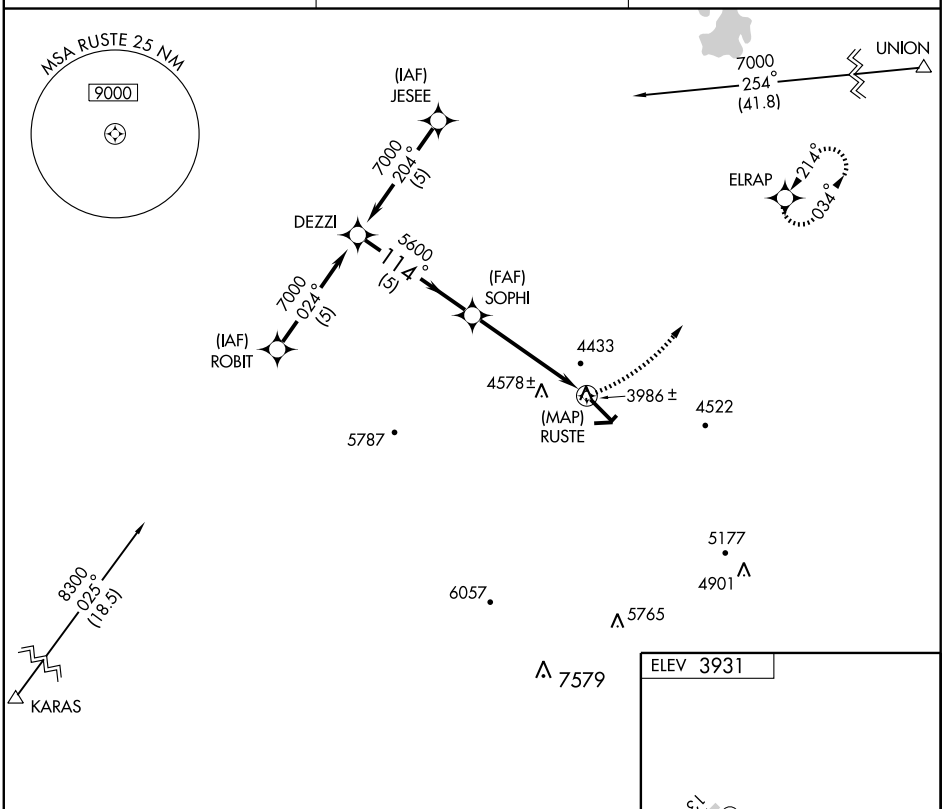
GPS RWY 13

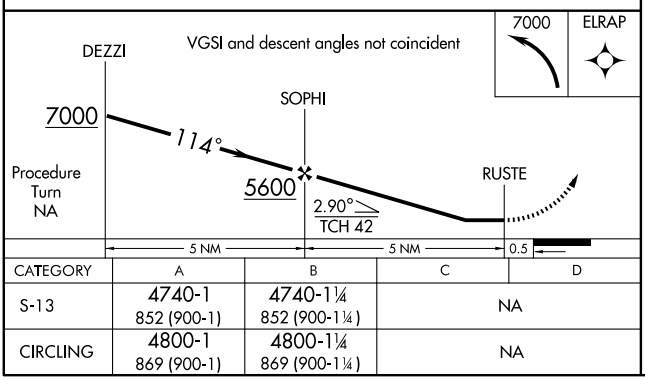
SPEARFISH/ BLACK HILLS-CLYDE ICE FIELD (SPF)

NA

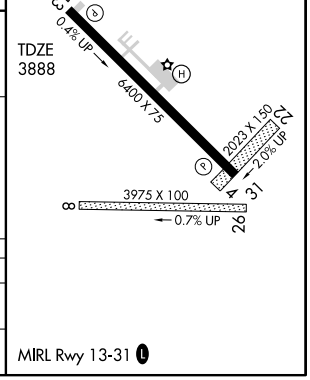
MISSED APPROACH: Climbing left turn to 7000 direct ELRAP WP and hold.

AWOS-3	ELLSWORTH APP CON★	UNICOM
118.325	119.5 259.1	122.7 (CTAF) L





CATEGORY	A	B	C	D
S-13	4740-1 852 (900-1)	4740-1¼ 852 (900-1¼)	NA	
CIRCLING	4800-1 869 (900-1)	4800-1¼ 869 (900-1¼)	NA	



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NDB SPF	APP CRS	Rwy ldg	N/A
300	226°	TDZE	N/A
		Apt Elev	3931

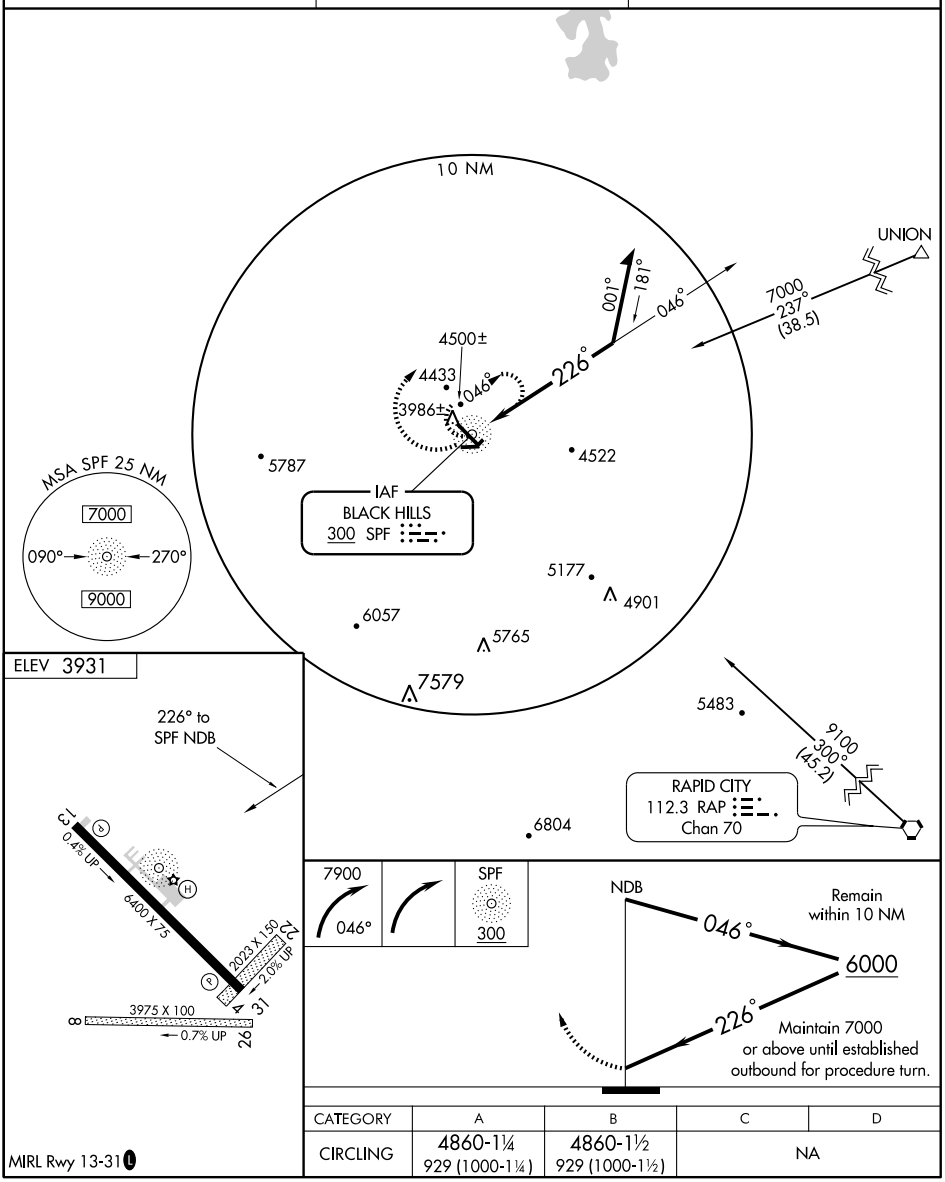
NDB or GPS-A

SPEARFISH/ BLACK HILLS-CLYDE ICE FIELD (SPF)

NA

MISSED APPROACH: Climbing right turn to 7900 via heading 046° then right turn direct SPF NDB and hold.

AWOS-3	ELLSWORTH APP CON★	UNICOM
118.325	119.5 259.1	122.7 (CTAF) L



CATEGORY	A	B	C	D
CIRCLING	4860-1¼ 929 (1000-1¼)	4860-1½ 929 (1000-1½)	NA	

MIRL Rwy 13-31 L

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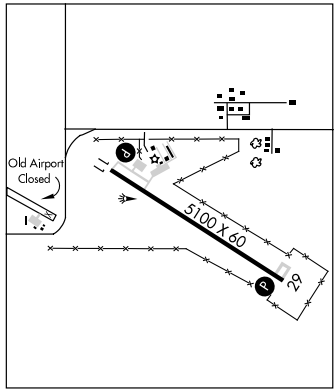
NC-1, 21 OCT 2010 to 18 NOV 2010

STURGIS MUNI (49B) 4 E UTC−7(−6DT) N44°25.08′ W103°22.53′ **CHEYENNE**
3243 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **H–2H, L–12G, 13E**
RWY 11–29: H5100X60 (ASPH) S–12.5 MIRL 0.7% up NW **IAP**
RWY 11: PAPI(P2L). **RWY 29:** PAPI(P2L).
AIRPORT REMARKS: Attended dalgt hours. For attendant other hours call 605–347–3356. Wildlife on and invof arpt. Rwy 11–29 asphalt breaking up. ACTIVATE MIRL Rwy 11–29 and PAPI Rwy 11 and Rwy 29—CTAF.
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
ELLSWORTH APP/DEP CON 119.5 (Opr 24 hrs, from Mon 1200Z‡ thru Sat 0400Z‡, Sat, Sun 1200–0400Z‡), other times ctc **DENVER CENTER** 127.95.
RADIO AIDS TO NAVIGATION: NOTAM FILE RAP.
RAPID CITY (H) VORTAC 112.3 RAP Chan 70 N43°58.56′ W103°00.74′ 317° 30.8 NM to fld. 3160/13E.



TEA

MARV SKIE–LINCOLN CO (Y14) 2 NE UTC−6(−5DT) N43°27.29′ W96°48.08′ **OMAHA**
1515 B S4 **FUEL** 100LL, JET A NOTAM FILE HON **L–12I**
RWY 16–34: H3650X60 (ASPH) S–22 MIRL
RWY 16: PAPI(P4L)—GA 3.0° TCH 22′. Road. **RWY 34:** PAPI(P4L)—GA 3.0° TCH 29′.
AIRPORT REMARKS: Attended 1400Z‡–dusk. Fuel avbl 24 hrs with credit card. Ultralights on and invof arpt. Be alert: Acft on apch to Rwy 03 at Joe Foss Fld (FSD) descending/holding at 3300′ over ROKKY LOM located 2.4 miles NNW of the arpt. Hay cutting operations May–Sep, farming equipment may be in apch zones. ACTIVATE MIRL Rwy 16–34—CTAF. NOTE: See Special Notices Section—Aerobatic Practice Areas.
WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825.
COMMUNICATIONS: CTAF/UNICOM 122.8
RADIO AIDS TO NAVIGATION: NOTAM FILE FSD.
SIOUX FALLS (H) VORTACW 115.0 FSD Chan 97 N43°38.97′ W96°46.87′ 175° 11.7 NM to fld. 1570/9E. **HIWAS.**

THE SIGURD ANDERSON (See WEBSTER)

TIMBER LAKE MUNI (D58) 1 SW UTC−7(−6DT) N45°24.90′ W101°04.99′ **BILLINGS**
2193 B S4 NOTAM FILE HON
RWY 12–30: 3300X150 (TURF) LIRL
RWY 30: Road.
RWY 17–35: 2400X120 (TURF)
RWY 17: Fence. **RWY 35:** Fence.
AIRPORT REMARKS: Attended dalgt hours. For field conditions call arpt manager 605–865–3500. Rwy 12–30 marked with yellow/black metal A–frame markers. Rwy 12–30 LIRL in poor condition. Rwy 12–30 LIRL OTS indef. ACTIVATE LIRL Rwy 12–30—122.8.
COMMUNICATIONS: CTAF 122.9

VERMILLION N42°45.80′ W96°56.06′ NOTAM FILE HON. **OMAHA**
NDB (MHW) 375 VMR at Harold Davidson Fld. NDB unmonitored. SHUTDOWN. **L–12I**

APP CRS	Rwy ldg	5100
292°	TDZE	3228
	Apt Elev	3239

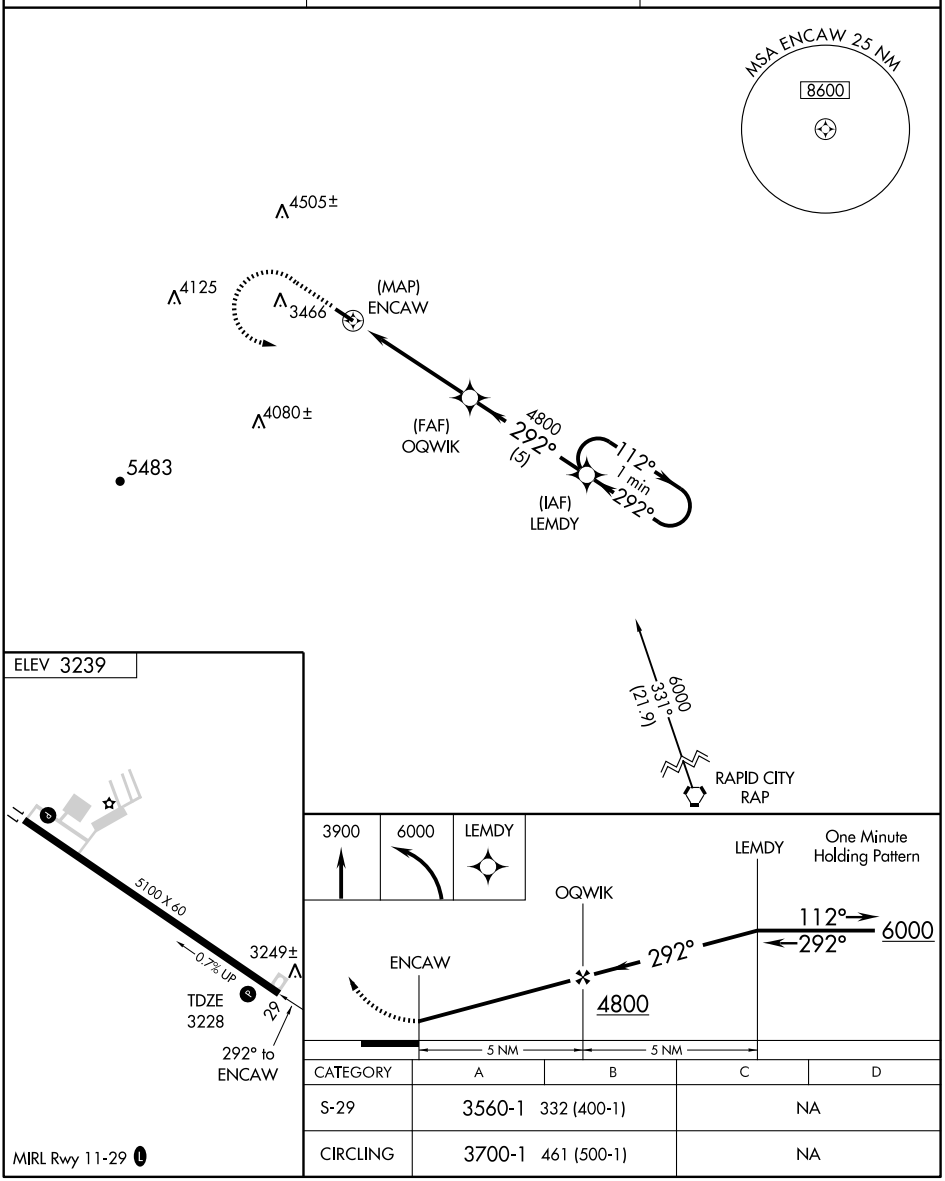
GPS RWY 29
STURGIS MUNI (49B)

NA

Use Ellsworth AFB altimeter setting.

MISSED APPROACH: Climb to 3900 then climbing left turn to 6000 direct LEMDY WP and hold.

AWOS-A	ELLSWORTH APP CON ★	UNICOM
122.8	119.5 259.1	122.8 (CTAF) L



CATEGORY	A	B	C	D
S-29	3560-1 332 (400-1)		NA	
CIRCLING	3700-1 461 (500-1)		NA	

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VERMILLION

HAROLD DAVIDSON FLD (VMR) 1 S UTC−6(−5DT) N42°45.92′ W96°56.06′ OMAHA

1147 B S2 **FUEL** 100LL NOTAM FILE HON L–12I

RWY 12–30: H4105X75 (CONC) S–12 MIRL IAP

RWY 12: PAPI(P4L)—GA 3.0° TCH 38′. Rgt tfc.

RWY 30: PAPI(P4L)—GA 3.0° TCH 38′. Trees.

AIRPORT REMARKS: Attended 1400–2300Z‡. Fuel avbl 24 hrs with credit card. ACTIVATE MIRL Rwy 12–30, PAPI Rwy 12 and Rwy 30—CTAF.

WEATHER DATA SOURCES: AWOS–A 122.8 (617) 262–3825. Plus visibility.

COMMUNICATIONS: CTAF/UNICOM 122.8

YANKTON RCO 122.55 (HURON RADIO)

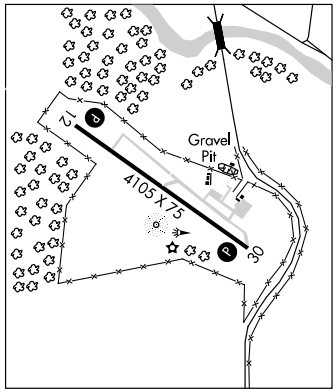
Ⓡ **SIOUX CITY APP/DEP CON** 124.6 (1200–0330Z‡)

MINNEAPOLIS CENTER APP/DEP CON 124.1 (0330–1200Z‡)

RADIO AIDS TO NAVIGATION: NOTAM FILE YKN.

YANKTON (L) VORW/DME 111.4 YKN Chan 51 N42°55.10′ W97°23.10′ 108° 21.9 NM to fld. 1301/7E.

VERMILLION NDB (MHW) 375 VMR N42°45.80′ W96°56.06′ at fld. NOTAM FILE HON. NDB unmonitored. SHUTDOWN.



WAGNER MUNI (AGZ) 1 S UTC−6(−5DT) N43°03.80′ W98°17.77′ OMAHA

1475 B S4 **FUEL** 100LL NOTAM FILE HON L–12H

RWY 08–26: H3500X60 (ASPH) S–12.5 MIRL

RWY 08: P–line. **RWY 26:** Road.

RWY 14–32: 2228X150 (TURF)

RWY 14: Road. **RWY 32:** P-lines.

AIRPORT REMARKS: Attended Mon–Fri 1300–2300Z‡. For attendant after hrs call 605–487–6262/491–0470. Rwy 14–32 CLOSED Nov 1–Apr 15. Spray acft operating invof arpt Apr–Nov. Wildlife on and invof arpt. Rwy 14 and Rwy 32 thlds are marked with yellow and black half barrels. MIRL Rwy 08–26 opr dusk–0600Z‡, after 0600Z‡ ACTIVATE—CTAF.

COMMUNICATIONS: CTAF/UNICOM 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE ONL.

O'NEILL (H) VORTACW 113.9 ONL Chan 86 N42°28.23′ W98°41.22′ 016° 39.5 NM to fld. 2030/10E. **HIWAS.**

NDB (MHW) 392 AGZ N43°03.75′ W98°17.54′ at fld. NOTAM FILE HON. Unmonitored. VFR only.

WALL MUNI (6V4) 1 NW UTC−7(−6DT) N43°59.97′ W102°15.28′ CHEYENNE

2813 B **FUEL** 100LL TPA—3813(1000) NOTAM FILE HON L–12G

RWY 12–30: H3500X60 (ASPH) S–12 LIRL 0.4% up SE.

RWY 12: PAPI (P4L)—GA 3.0°. **RWY 30:** PAPI (P4L)—GA 3.0° TCH 29′. Antenna.

AIRPORT REMARKS: Unattended. Fuel avbl by req. call 605–279–2666. Deer/antelope/waterfowl on and invof arpt. LIRL Rwy 12–30 and PAPI Rwy 12 and Rwy 30 opr dusk–0400Z‡. After 0400Z‡ ACTIVATE CTAF.

COMMUNICATIONS: CTAF 122.8

RADIO AIDS TO NAVIGATION: NOTAM FILE PHP.

PHILIP (L) VORW/DME 108.4 PHP Chan 21 N44°03.50′ W101°39.85′ 250° 25.8 NM to fld. 2340/12E. **HIWAS.**

WAAS CH 53614 W30A	APP CRS 300°	Rwy ldg 4105 TDZE 1146 Apt Elev 1146

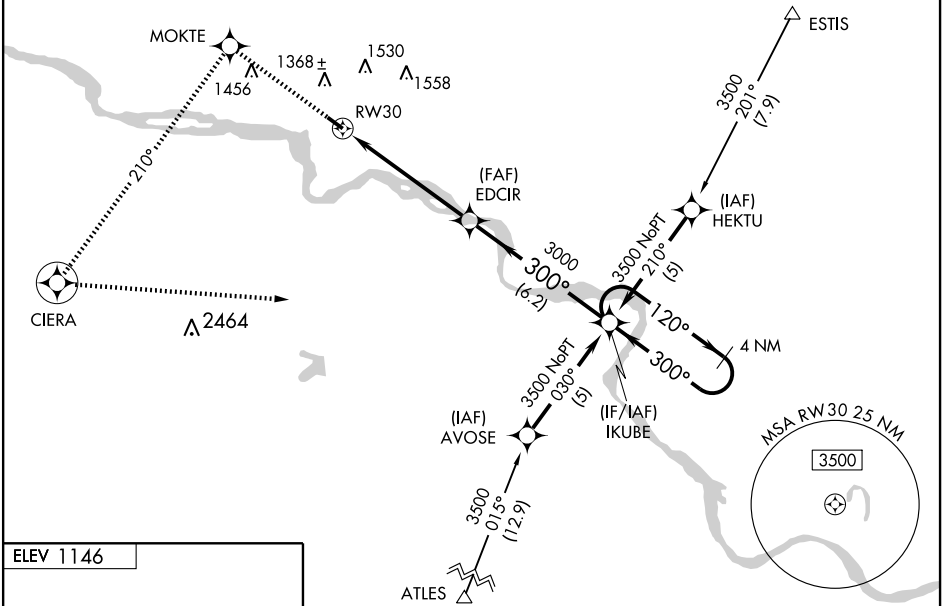
RNAV (GPS) RWY 30
VERMILLION/ HAROLD DAVIDSON FIELD (VMR)

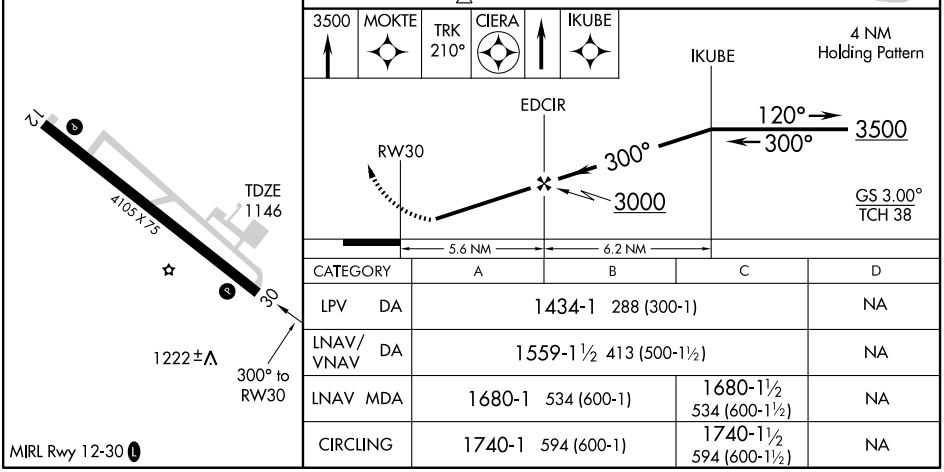
Baro-VNAV NA when using Yankton altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). DME/DME RNP -0.3 NA.
Visibility reduction by helicopters NA. When local altimeter setting not received, use Yankton altimeter setting and increase all DA 73 feet and LPV and LNAV/VNAV visibility ¼ mile all Cats, increase all MDA 80 feet and LNAV Cat C visibility ¼ mile and Circling Cat C visibility ½ mile.

MISSED APPROACH: Climb to 3500 direct MOKTE and via track 210° to CIERA and direct IKUBE and hold.

AWOS-A	SIOUX CITY APP CON ★	UNICOM
122.8	124.6 307.0	122.8 (CTAF) L

Procedure NA for arrivals at ESTIS via V15 northbound.





CATEGORY		A	B	C	D
LPV	DA	1434-1 288 (300-1)			NA
LNAV/ VNAV	DA	1559-1½ 413 (500-1½)			NA
LNAV	MDA	1680-1 534 (600-1)		1680-1½ 534 (600-1½)	NA
CIRCLING		1740-1 594 (600-1)		1740-1½ 594 (600-1½)	NA

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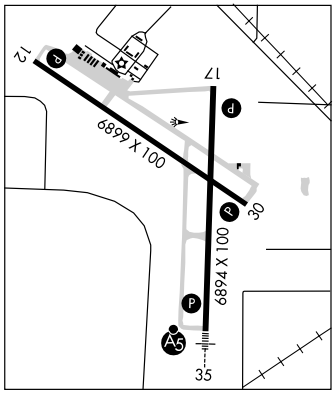
NC-1, 21 OCT 2010 to 18 NOV 2010

WATERTOWN RGNL (ATY) 2 NW UTC−6(−5DT) N44°54.84′ W97°09.28′ **TWIN CITIES**
1749 B S4 **FUEL** 100LL, JET A Class I, ARFF Index A NOTAM FILE ATY **H–2I, L–12H, 14G**
RWY 12–30: H6899X100 (ASPH–PFC) S–85, D–108, 2S–137, 2D–175 MIRL **IAP**
RWY 12: REIL. PAPI(P4L)—GA 3.0° TCH 48′. Tree.
RWY 30: REIL. PAPI(P4L)—GA 3.0° TCH 34′. Tree.
RWY 17–35: H6894X100 (ASPH–PFC) S–85, D–108, 2S–137, 2D–175 HIRL
RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 35′.
RWY 35: MALSR. PAPI(P4L)—GA 3.0° TCH 54′. Elevator.



RUNWAY DECLARED DISTANCE INFORMATION
RWY 12: TORA–6899 TODA–6899 ASDA–6899 LDA–6899
RWY 17: TORA–6894 TODA–6894 ASDA–6894 LDA–6894
RWY 30: TORA–6899 TODA–6899 ASDA–6899 LDA–6899
RWY 35: TORA–6894 TODA–6894 ASDA–6894 LDA–6894
AIRPORT REMARKS: Attended Mon–Fri 1300–0100Z‡, Sat–Sun 1400–0000Z‡. Glider ops May thru Sep. Gulls and geese on and invof arpt Apr–Nov. Annually Apr–Sep hay cutting ops in progress, farming equip may be in apchs. PPR 48 hrs unscheduled air carrier ops with more than 30 passenger seats call arpt manager 605–882–6209/886–4733. Air carrier ops involving acft with more than 9 passengers are not authorized in excess of 15 minutes before or after scheduled arrival/departure times without prior coordination with arpt manager and confirmation that ARFF is avbl prior to landing or takeoff. ACTIVATE MALSR Rwy 35, HIRL Rwy 17–35, MIRL Rwy 12–30, REIL Rwy 12 and Rwy 30 and PAPI Rwy 12, Rwy 17, Rwy 30, and Rwy 35—CTAF.
WEATHER DATA SOURCES: ASOS 126.625 (605) 882–0578. **HIWAS** 116.6 ATY.
COMMUNICATIONS: CTAF/UNICOM 123.05
RCO 122.5 (HURON RADIO)
MINNEAPOLIS CENTER APP/DEP CON 128.5
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
(L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 179° 4.0 NM to fld. 1762/9E. **HIWAS.**
LICAN NDB (LOM) 215 AT N44°48.20′ W97°09.01′ 352° 6.7 NM to fld.
ILS/DME 111.9 I–ATY Chan 56 Rwy 35. Class IT. LOM LICAN NDB.

WEBSTER

THE SIGURD ANDERSON (1D7) 2 S UTC−6(−5DT) N45°17.56′ W97°30.83′ **TWIN CITIES**
1854 B **FUEL** MOGAS NOTAM FILE HON **L–12H, 14G**
RWY 12–30: H3700X60 (ASPH) S–12.5 LIRL
RWY 12: Road.
RWY 01–19: 2200X150 (TURF)
RWY 01: Fence. **RWY 19:** Trees.
AIRPORT REMARKS: Unattended. Rwy 01–19 CLOSED winter months. Birds and waterfowl on and invof arpt. Rwy 01–19 marked with yellow and black metal A-frame markers. ACTIVATE LIRL Rwy 12–30—CTAF.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE ATY.
WATERTOWN (L) VORTACW 116.6 ATY Chan 113 N44°58.78′ W97°08.51′ 311° 24.5 NM to fld. 1762/9E. **HIWAS.**

WENTWORTH N44°00.80′ W97°05.31′ NOTAM FILE HON. **OMAHA**
NDB (MHW) 400 MDS at Madison Muni. NDB unmonitored. **L–12H**

WESSINGTON SPRINGS (4X4) 2 E UTC−6(−5DT) N44°03.66′ W98°31.85′ **OMAHA**
1546 B NOTAM FILE HON **L–12H**
RWY 12–30: H3600X60 (ASPH) LIRL
RWY 12: P–line.
AIRPORT REMARKS: Unattended. ACTIVATE LIRL Rwy 12–30 and rotating bcn—CTAF.
WEATHER DATA SOURCES: AWOS–3 122.9 (617) 262–3825.
COMMUNICATIONS: CTAF 122.9
RADIO AIDS TO NAVIGATION: NOTAM FILE HON.
HURON (L) VORTAC 117.6 HON Chan 123 N44°26.40′ W98°18.66′ 193° 24.6 NM to fld. 1300/10E.

LOC/DME I-ATY	APP CRS	Rwy ldg	6894
111.9	354°	TDZE	1745
Chan 56		Apt Elev	1749

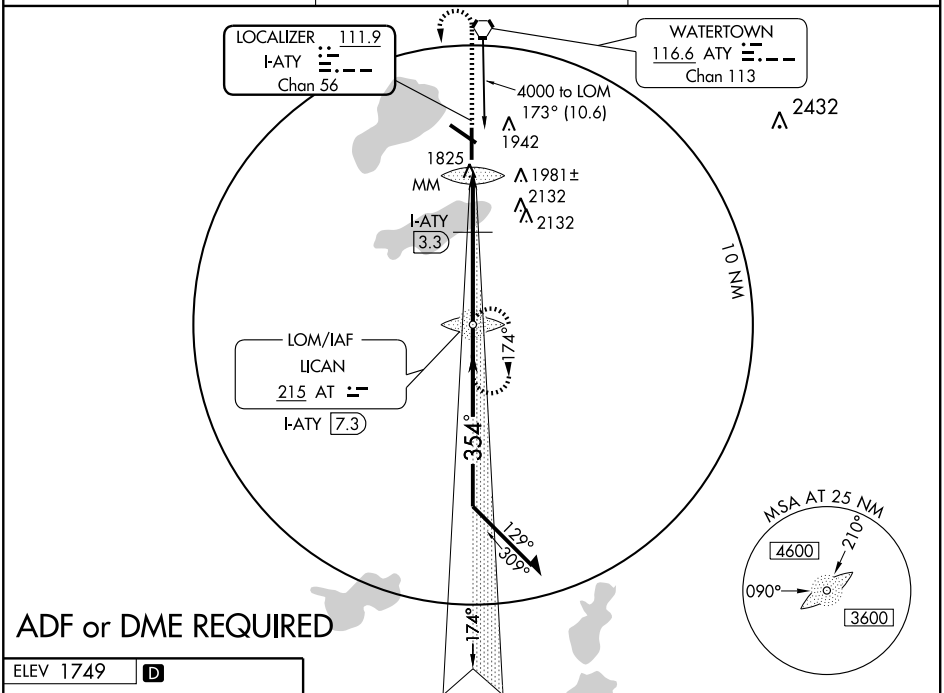
ILS or LOC RWY 35
WATERTOWN RGNL (ATY)

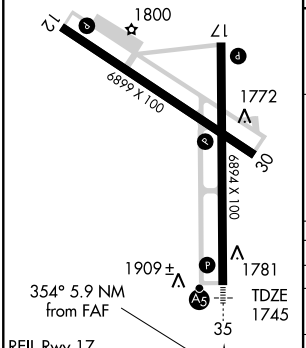
S-LOC 35 DME minimums, increase Cat D visibility ¼ mile for inoperative MALSR.

MALSR

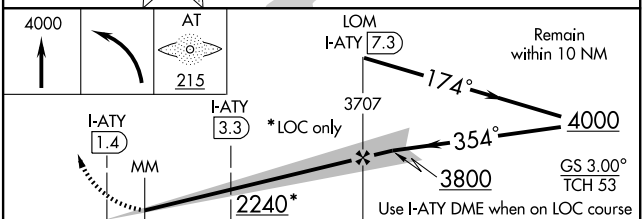
MISSED APPROACH: Climb to 4000 then left turn direct LICAN LOM/I-ATY 7.3 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L





FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-ILS 35	1945-½ 200 (200-½)			
S-LOC 35	2240-½ 495 (500-½)		2240-¾ 495 (500-¾)	2240-1 495 (500-1)
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)
DME MINIMUMS				
S-LOC 35	2080-½ 335 (400-½)			2080-¾ 335 (400-¾)
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

LOC/DME I-ATY	APP CRS	Rwy ldg	6894
111.9	174°	TDZE	1740
Chan 56		Apt Elev	1749

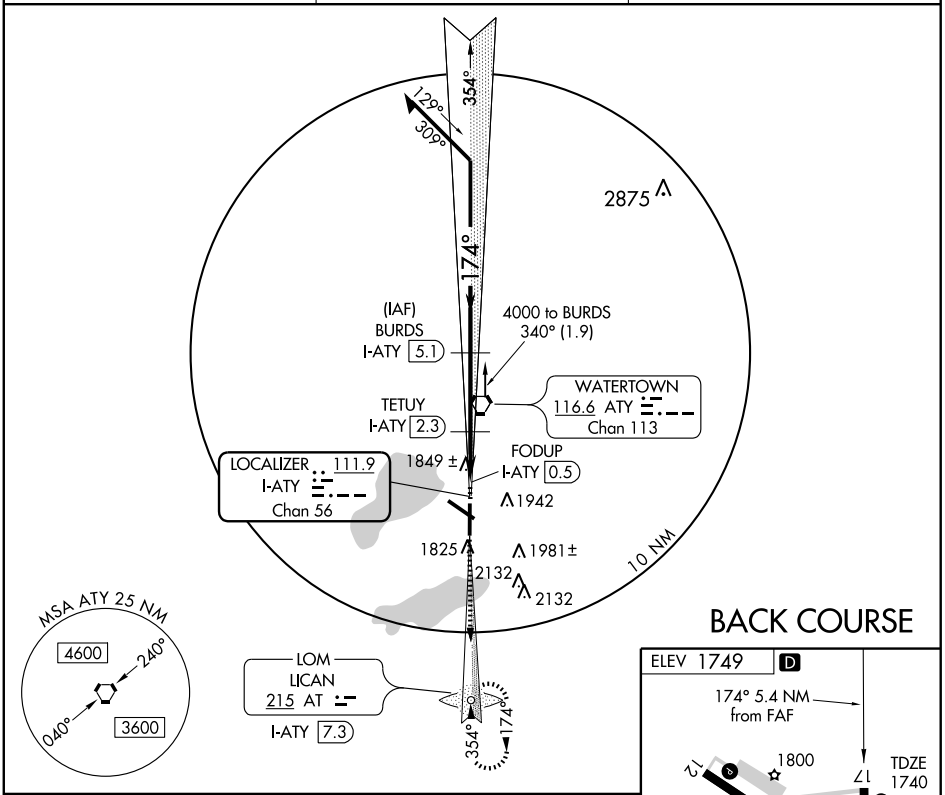
LOC/DME BC RWY 17

WATERTOWN RGNL (ATY)

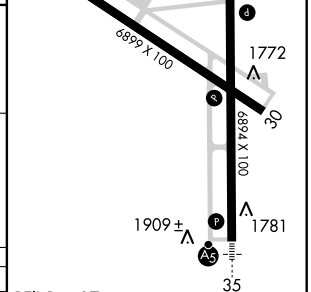
When local altimeter setting not received, use Brookings altimeter setting and increase all MDA 120 feet and increase all Cat C and D visibilities ¼ mile.

MISSED APPROACH: Climb to 4000 via I-ATY south course to LICAN LOM/I-ATY 7.3 DME and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L

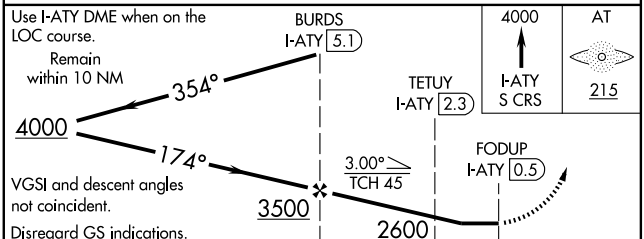


BACK COURSE



Use I-ATY DME when on the LOC course.

Remain within 10 NM



VGSI and descent angles not coincident.

Disregard GS indications.

CATEGORY	A	B	C	D
S-17	2120-1 380 (400-1)			2120-1¼ 380 (400-1¼)
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)

REIL Rwy 17
REIL Rwys 12 and 30 L
HIRL Rwy 17-35 L
MIRL Rwy 12-30 L

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

LOM AT	APP CRS	Rwy ldg	6894
215	354°	TDZE	1745
		Apt Elev	1749

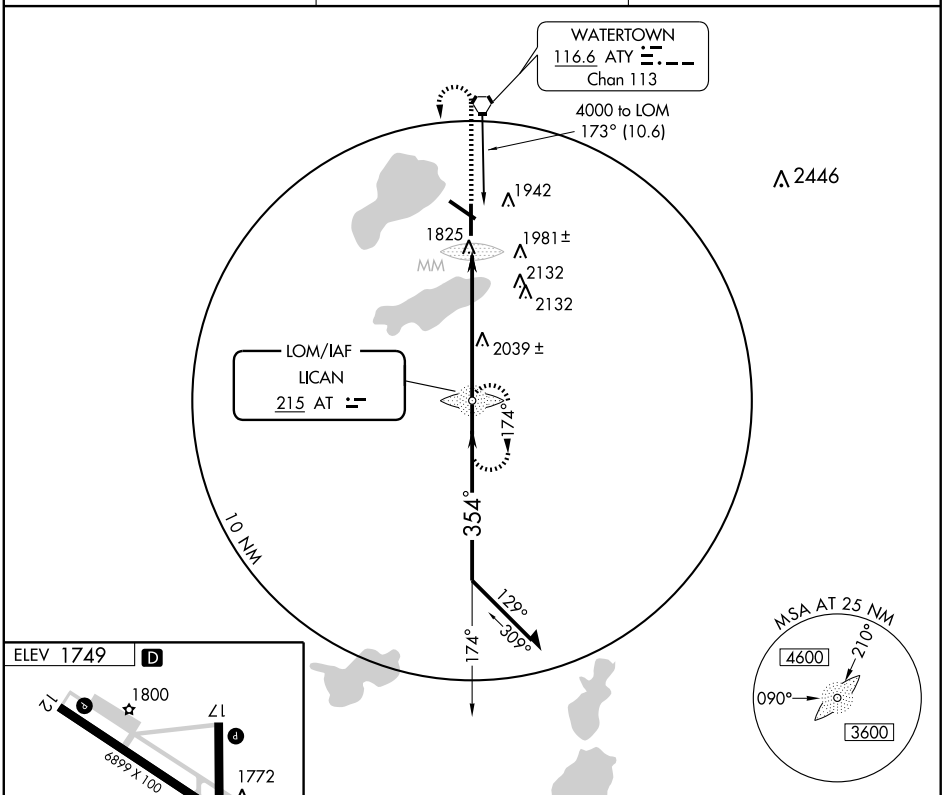
NDB RWY 35
WATERTOWN RGNL (ATY)

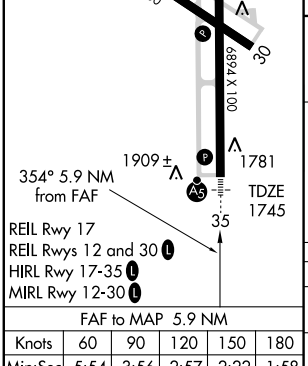
When local altimeter setting not received, use Brookings altimeter setting and increase all MDA 120 feet, increase S-35 Cat C/D visibility ½ mile, increase Circling Cat C visibility ½ mile and Cat D visibility ¼ mile. Inoperative table does not apply to S-35 Cat A and B.

MALSR

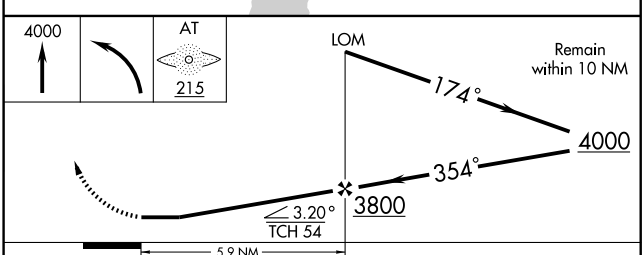
MISSED APPROACH: Climb to 4000 then left turn direct LICAN LOM and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L





FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-35	2340-1 595 (600-1)			2340-1½ 595 (600-1½)
CIRCLING	2340-1 591 (600-1)		2340-1½ 591 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

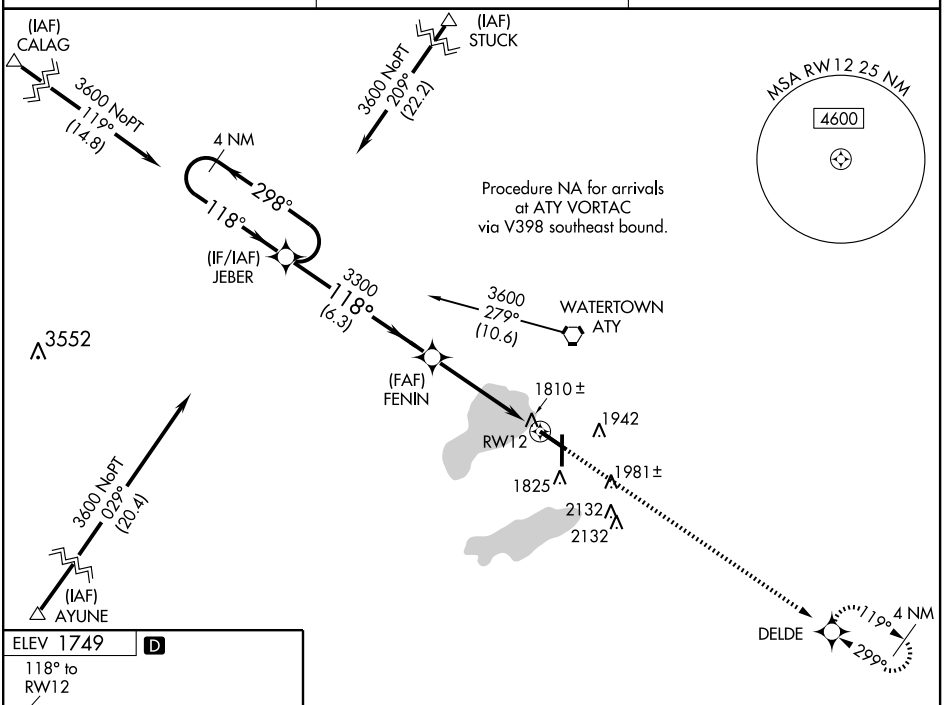
WAAS CH 53405 W12A	APP CRS 118°	Rwy ldg 6899 TDZE 1749 Apt Elev 1749

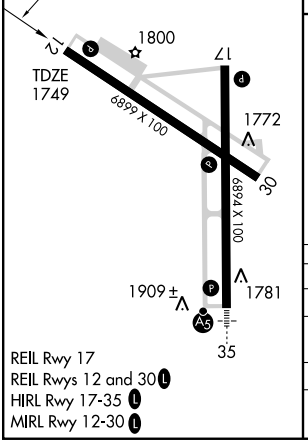
RNAV (GPS) RWY 12
WATERTOWN RGNL (ATY)

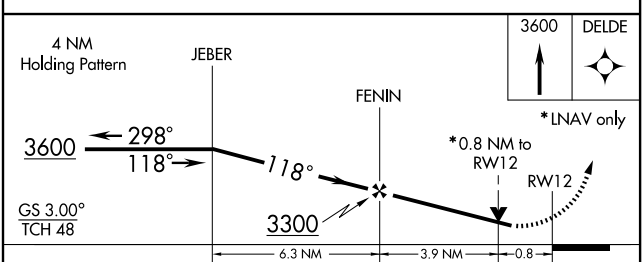
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP -0.3 NA. Visibility reduction by helicopters NA. If local altimeter setting not received, use Brookings altimeter setting and increase all DAs 105 feet and all MDAs 120 feet. VDP NA when using Brookings altimeter setting. Baro-VNAV NA when using Brookings altimeter setting.

MISSED APPROACH: Climb to 3600 direct DELDE and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	2021-1 272 (300-1)			
LNAV/VNAV DA	2076-1¼ 327 (400-1¼)			
LNAV MDA	2060-1 311 (400-1)			
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

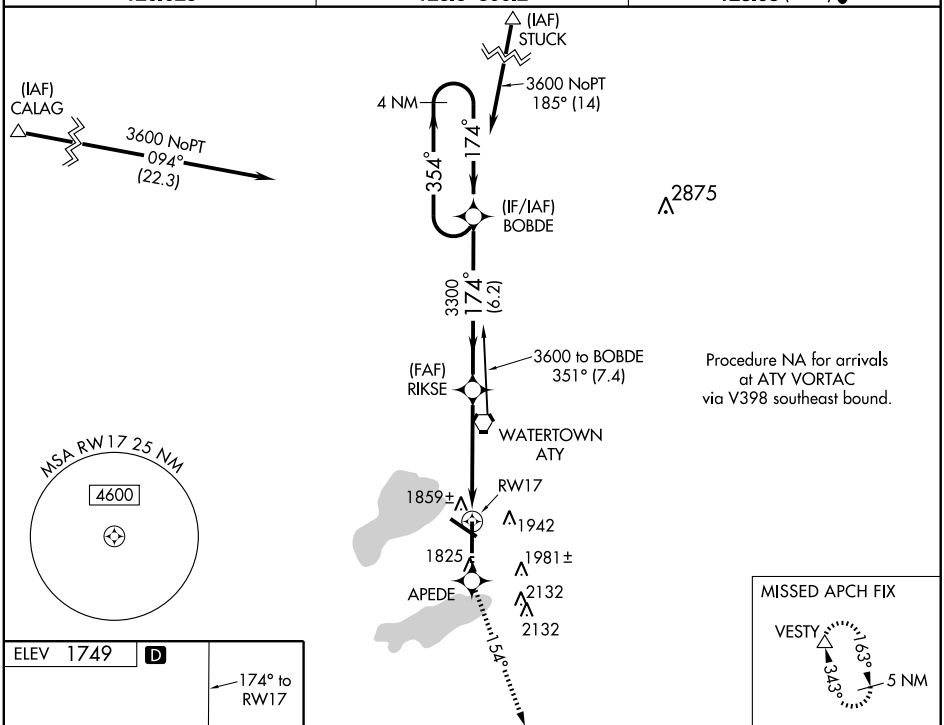
WAAS CH 82305 W17A	APP CRS 174°	Rwy ldg 6894 TDZE 1740 Apt Elev 1749

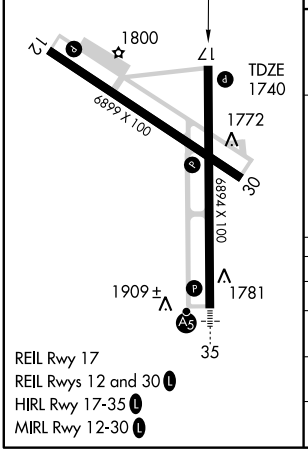
RNAV (GPS) RWY 17
WATERTOWN RGNL (ATY)

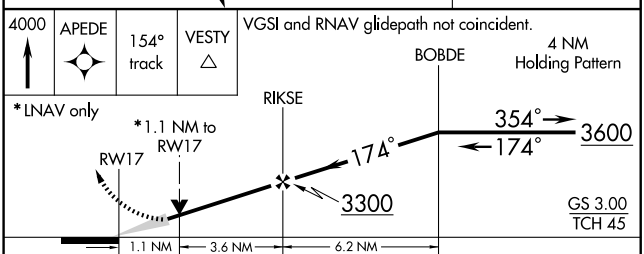
Baro-VNAV NA when using Brooking altimeter setting. DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). VDP NA when using Brookings altimeter setting.
If local altimeter setting not received, use Brookings altimeter setting and increase all DAs 105 feet and all MDAs 120 feet.

MISSED APPROACH: Climb to 4000 direct APEDE and via 154° track to VESTY and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	2054-1 314 (400-1)			
LNAV/VNAV DA	2129-1¼ 389 (400-1¼)			
LNAV MDA	2120-1 380 (400-1)			2120-1¼ 380 (400-1¼)
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

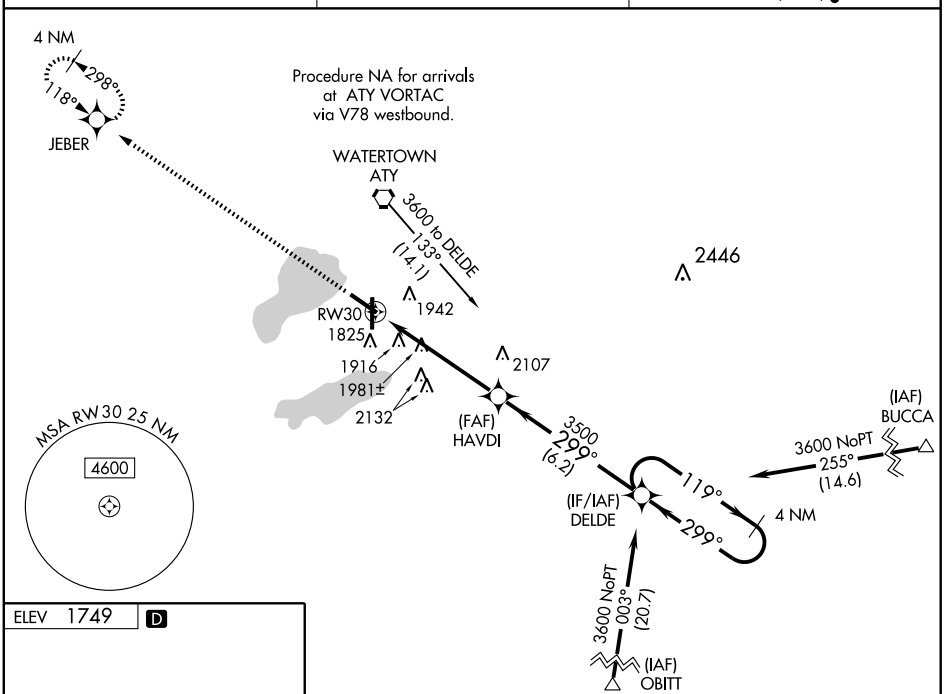
WAAS CH 50305 W30A	APP CRS 299°	Rwy ldg 6899 TDZE 1736 Apt Elev 1749

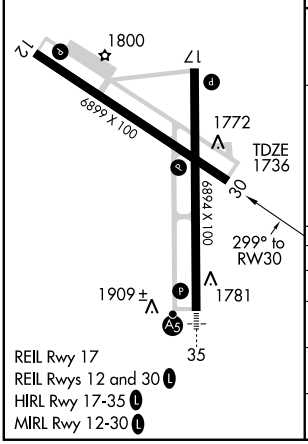
RNAV (GPS) RWY 30
WATERTOWN RGNL (ATY)

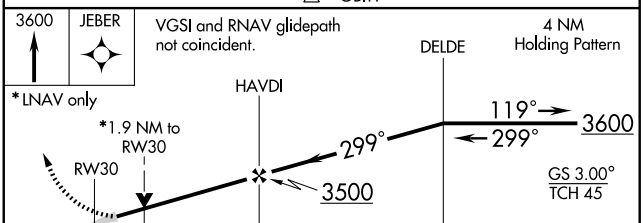
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP-0.3 NA. When local altimeter setting not received, use Brookings altimeter setting and increase all DA 105 feet and all MDA 120 feet, increase LPV and LNAV/VNAV all Cats. visibility ¼ mile, LNAV and Circling Cat. B visibility ¼ mile, Cat. C/D visibility ½ mile. VDP NA when using Brookings altimeter setting. Baro-VNAV NA when using Brookings altimeter setting.

MISSED APPROACH: Climb to 3600 direct JEBER and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1990-1 254 (300-1)			
LNAV/VNAV DA	2208-1¾ 472 (500-1¾)			
LNAV MDA	2360-1 624 (700-1)		2360-1¾ 624 (700-1¾)	2360-2 624 (700-2)
CIRCLING	2360-1 611 (700-1)		2360-1¾ 611 (700-1¾)	2360-2 611 (700-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

WAAS CH **82614** **W35A**	APP CRS **354°**	Rwy ldg **6894** TDZE **1745** Apt Elev **1749**

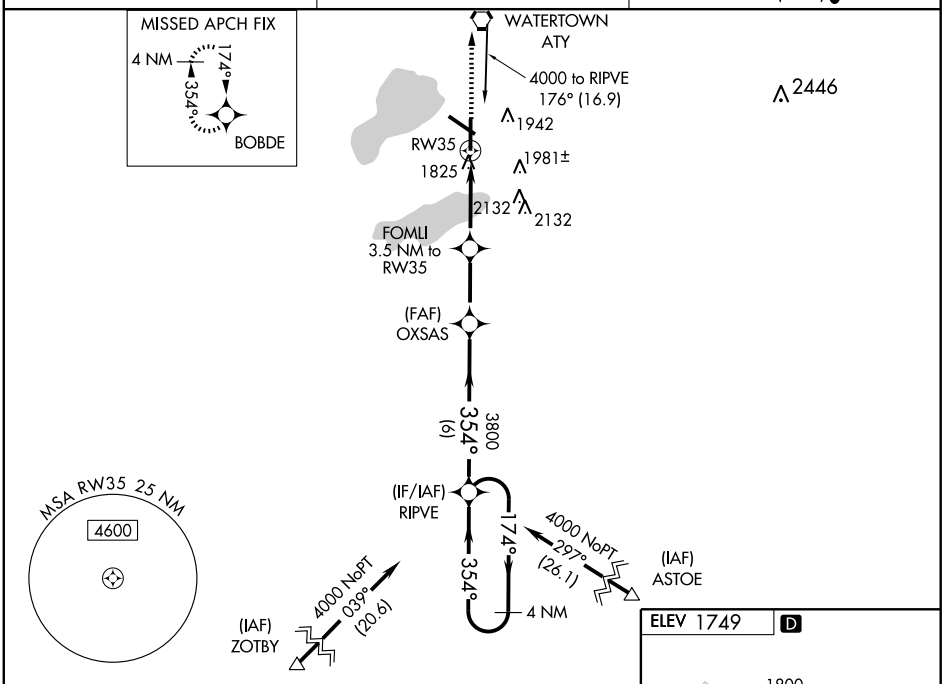
RNAV (GPS) RWY 35
WATERTOWN RGNL (ATY)

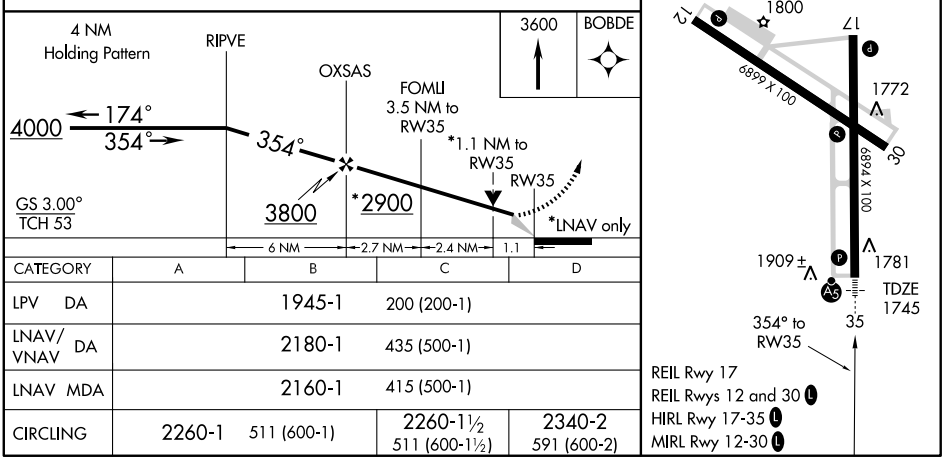
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 45°C (113°F). DME/DME RNP -0.3 NA. VDP and Baro-VNAV NA when using Brookings altimeter setting. When local altimeter setting not received, use Brookings altimeter setting and increase all DA 105 feet and all MDA 120 feet, increase LNAV/VNAV all Cats visibility ½ mile, increase LNAV Cat C/D visibility ¼ mile. For inoperative MALSR increase LNAV Cat C/D visibility ¼ mile. Inoperative table does not apply to LPV all Cats, LNAV Cats A/B. When using Brookings altimeter setting, inoperative table does not apply to LPV all Cats, LNAV Cats A/B.

MALSR

MISSED APPROACH: Climb to 3600 direct BOBDE and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	**128.5 306.2**	**123.05** (CTAF) L





CATEGORY	A	B	C	D
LPV DA	1945-1	200 (200-1)		
LNAV/VNAV DA	2180-1	435 (500-1)		
LNAV MDA	2160-1	415 (500-1)		
CIRCLING	2260-1	511 (600-1)	2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

VORTAC ATY	APP CRS	Rwy ldg	6894
116.6	356°	TDZE	1745
Chan 113		Apt Elev	1749

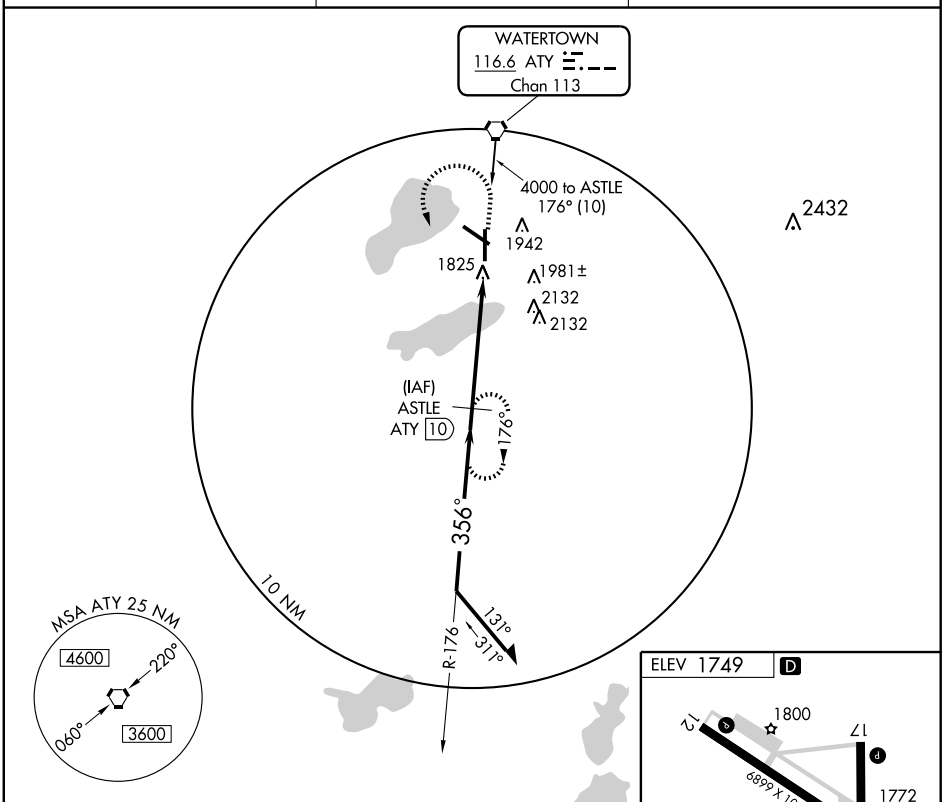
VOR/DME or TACAN RWY 35

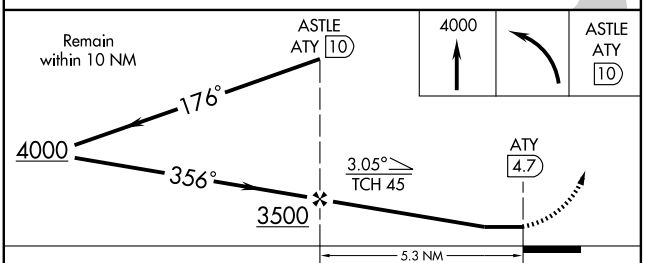
WATERTOWN RGNL (ATY)

MALSR

MISSED APPROACH: Climb to 4000 then left turn direct ASTLE and hold.

ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L





CATEGORY	A	B	C	D
S-35	2240-½ 495 (500-½)		2240-¾ 495 (500-¾)	2240-1 495 (500-1)
CIRCLING	2260-1 511 (600-1)		2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

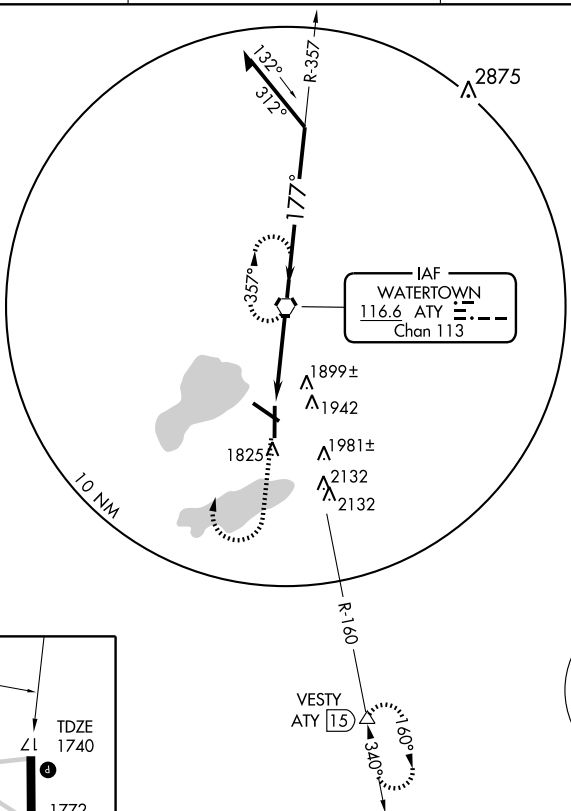
VORTAC ATY	APP CRS	Rwy ldg	6894
116.6	177°	TDZE	1740
Chan 113		Apt Elev	1749

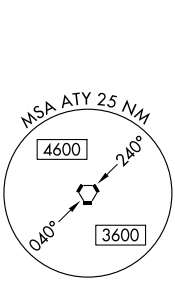
VOR or TACAN RWY 17
WATERTOWN RGNL (ATY)

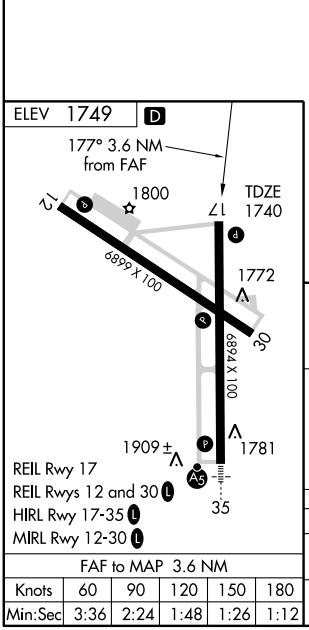
Visibility reduction by helicopters NA.
If local altimeter not received, use Brookings altimeter setting and increase all MDAs 120 feet. VDP NA when using Brookings altimeter setting.

MISSED APPROACH: Climb to 2400 then climbing right turn to 4000 direct ATY VORTAC and hold. (TACAN aircraft climb to 5000 via ATY VORTAC R-160 to VESTY/15 DME and hold south, right turns, 340° inbound.)

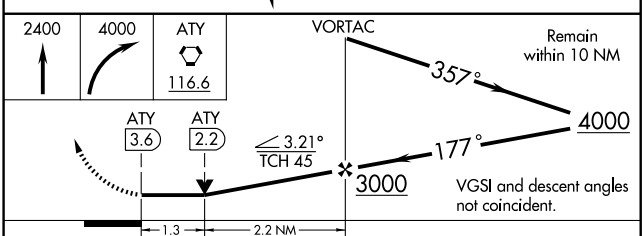
ASOS	MINNEAPOLIS CENTER	UNICOM
126.625	128.5 306.2	123.05 (CTAF) L







FAF to MAP 3.6 NM					
Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12



CATEGORY	A	B	C	D
S-17	2200-1	460 (500-1)	2200-1¼ 460 (500-1¼)	2200-1½ 460 (500-1½)
CIRCLING	2260-1	511 (600-1)	2260-1½ 511 (600-1½)	2340-2 591 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WHITE RIVER MUNI (7Q7) 1 S UTC−7(−6DT) N43°33.70′ W100°44.51′ **TWIN CITIES**

2151 B NOTAM FILE HON

RWY 12–30: 3000X150 (TURF) LIRL

RWY 12: Pole.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Telephone avbl. ACTIVATE LIRL Rwy 12–30—CTAF.

COMMUNICATIONS: CTAF 122.8

WILDER (See DESMET)

WINNER RGNL (ICR) 1 NE UTC−6(−5DT) N43°23.42′ W99°50.53′ **OMAHA**

2033 B S4 **FUEL** 100LL, JET A NOTAM FILE ICR **L–12H**

RWY 13–31: H4500X75 (CONC) S–12.5 MIRL **IAP**

RWY 13: PAPI(P2L)—GA 3.0° TCH 38′.

RWY 31: PAPI(P2L)—GA 3.0° TCH 35′.

RWY 03–21: 2881X150 (TURF)

RWY 21: Fence.

AIRPORT REMARKS: Attended continuously.

Deer on and invof arpt. Rwy 03–21 CLOSED winter months. High air tfc Oct–Nov. MIRL Rwy 13–31 opr dusk–0600Z‡ after 0600Z‡ ACTIVATE—CTAF.

WEATHER DATA SOURCES: ASOS 126.775 (605) 842–3989.

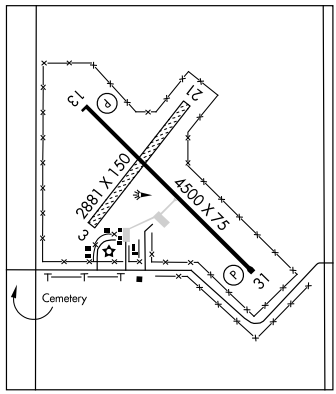
COMMUNICATIONS: CTAF/UNICOM 122.8

WINNER RCO 122.1R 112.8T (HURON RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.

PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 156° 61.8 NM to fld. 1789/11E. **HIWAS.**

(L) VOR 112.8 ISD N43°29.28′ W99°45.68′ 203° 6.8 NM to fld. NOTAM FILE ICR.



YANKTON N42°55.10′ W97°23.10′ NOTAM FILE YKN. **OMAHA**

(L) VORW/DME 111.4 YKN Chan 51 at Chan Gurney Muni. 1301/7E. **L–12H**

VOR unusable byd 30 NM blo 3200′.

DME unusable 230°–270° byd 25 NM blo 4000′, 271°–310° byd 30 NM blo 4000′, 311°–060° byd 30 NM blo 3500′.

RCO 122.55 (HURON RADIO)

YANKTON

CHAN GURNEY MUNI (YKN) 3 N UTC−6(−5DT) N42°55.00′ W97°23.16′ **OMAHA**

1306 B S4 **FUEL** 100LL, JET A NOTAM FILE YKN **H–5C, L–12H**

RWY 13–31: H6095X100 (CONC) S–30, D–50, 2D–90 HIRL 0.6% up NW **IAP**

RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 40′. Trees.

RWY 31: MALSR. VASI(V4L)—GA 3.0° TCH 40′.

RWY 01–19: H3380X75 (ASPH) S–12.5 MIRL

RWY 01: PAPI(P2L)—GA 3.0° TCH 25′. P–line.

RWY 19: PAPI(P2L)—GA 3.0° TCH 25′. Fence.

AIRPORT REMARKS: Attended 1400–0000Z‡. For svc after 0000Z‡ call 605–665–3473. PAEW mowing seasonal. Migratory waterfowl on and invof arpt. HIRL Rwy 13–31 preset medium ints SS–SR, MIRL Rwy 01–19 preset low ints SS–2300 to increase ints and ACTIVATE MALSR Rwy 31, PAPI Rwy 01 and Rwy 19 and Twy lgts—CTAF.

WEATHER DATA SOURCES: AWOS–3 111.4 YKN (605) 665–6072.

COMMUNICATIONS: CTAF/UNICOM 122.8

YANKTON RCO 122.55 (HURON RADIO)

MINNEAPOLIS CENTER APP/DEP CON 124.1

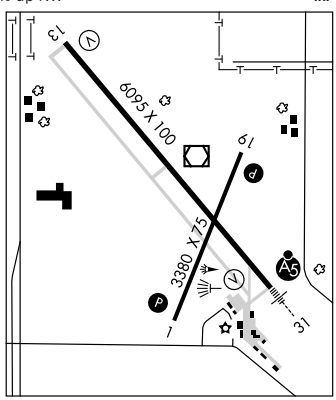
AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE YKN.

YANKTON (L) VORW/DME 111.4 YKN Chan 51 N42°55.10′ W97°23.10′ at fld. 1301/7E. **AWOS–3.**

CAGUR NDB (LOM) 347 YK N42°50.62′ W97°18.13′ 313° 5.7 NM to fld. Unmonitored.

ILS 109.5 I–YKN Rwy 31. Class IE. LOM CAGUR NDB. ILS unmonitored.



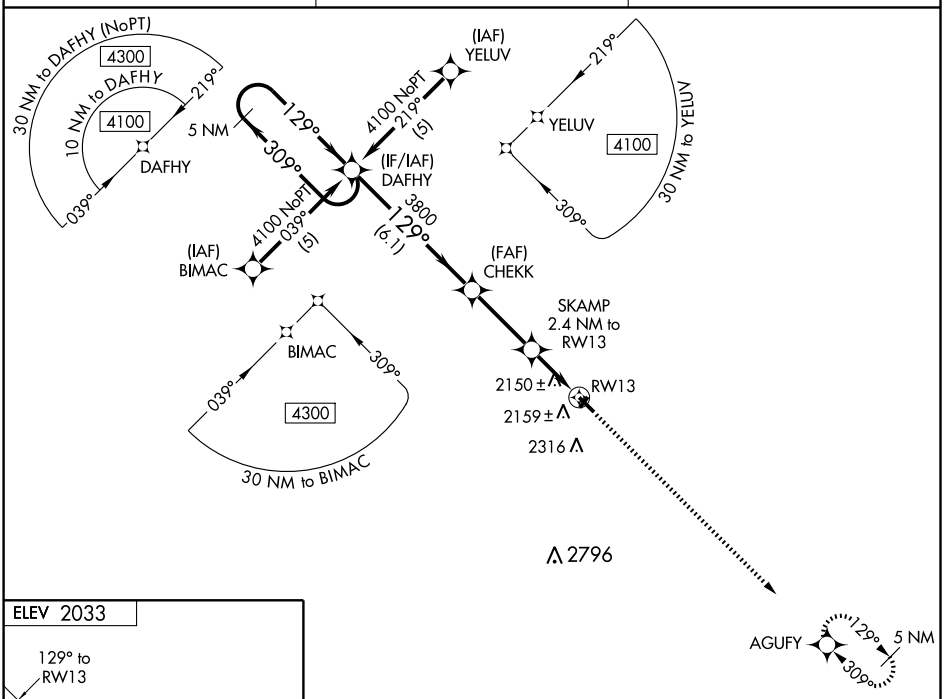
WAAS CH 61212 W13A	APP CRS 129°	Rwy ldg 4500 TDZE 2020 Apt Elev 2033

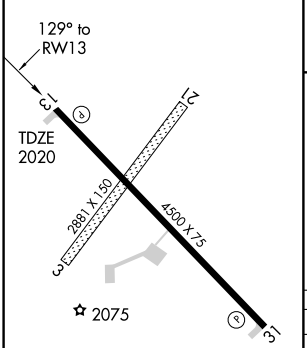
RNAV (GPS) RWY 13
WINNER RGNL (ICR)

DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F).
Baro-VNAV and VDP NA when using Valentine altimeter setting.
When local altimeter setting not received, use Valentine, NE altimeter setting and increase all DA/MDA 240 feet; increase LPV all Cats visibility ¾ mile, LNAV/VNAV all Cats visibility 1 mile, LNAV Cat C visibility ¾ mile, circling Cat B visibility ¼ mile and Cat C visibility 1 mile.

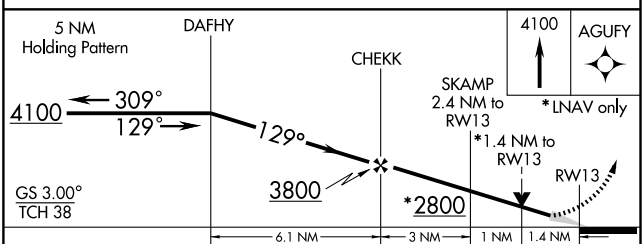
MISSED APPROACH: Climb to 4100 direct AGUFY and hold.

ASOS	HURON RADIO	UNICOM
126.775	122.1R	122.8 (CTAF)





MIRL Rwy 13-31



CATEGORY	A	B	C	D
LPV DA	2270-1 250 (300-1)			NA
LNAV/VNAV DA	2456-1½ 436 (500-1½)			NA
LNAV MDA	2480-1 460 (500-1)		2480-1¼ 460 (500-1¼)	NA
CIRCLING	2580-1 547 (600-1)		2680-1¾ 647 (700-1¾)	NA

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

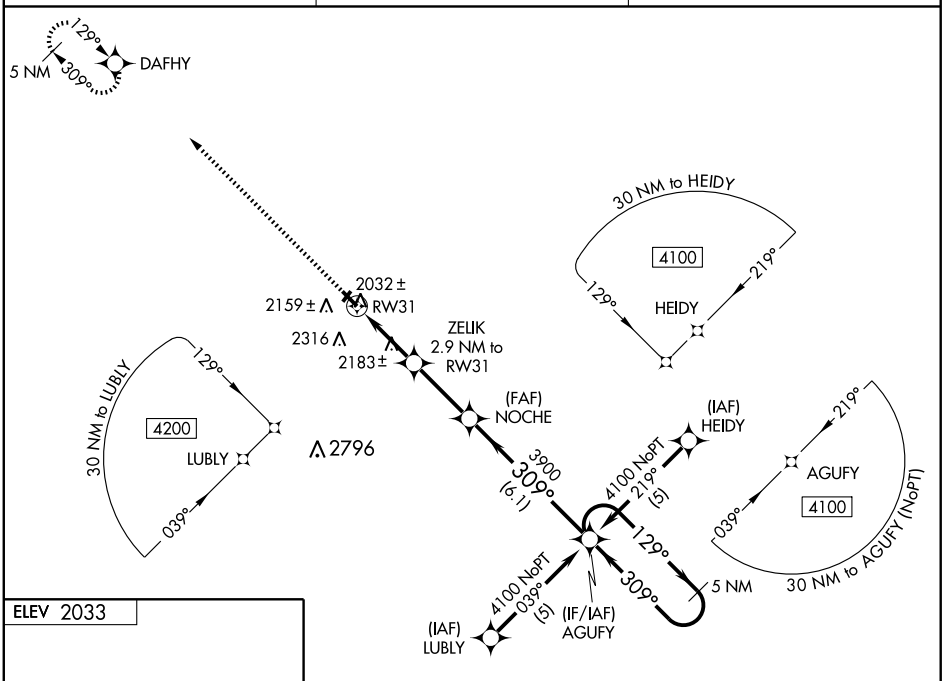
WAAS CH 97612 W31A	APP CRS 309°	Rwy ldg 4500 TDZE 2021 Apt Elev 2033

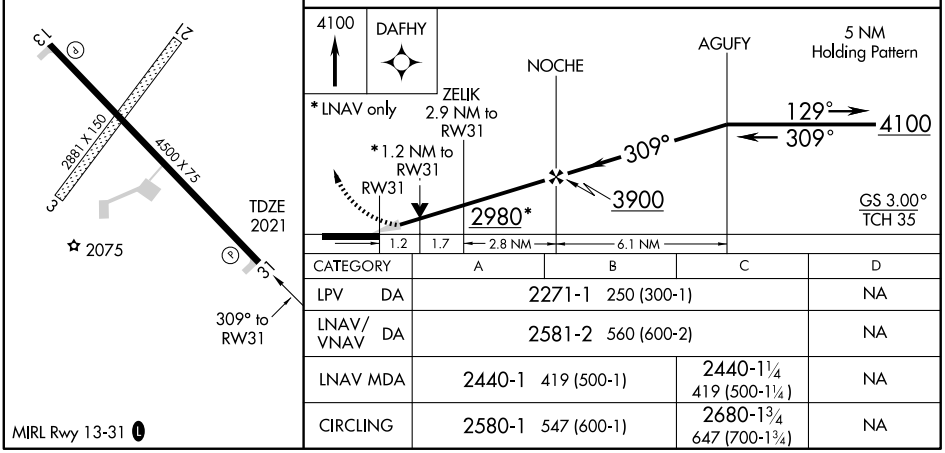
RNAV (GPS) RWY 31
WINNER RGNL (ICR)

DME/DME RNP-0.3 NA.
When local altimeter setting not received, use Valentine, NE altimeter setting and increase all DA/MDA 240 feet; increase LPV all Cats visibility ¾ mile, LNAV/VNAV all Cats visibility 1 mile, LNAV Cat C visibility ½ mile, circling Cat B visibility ¼ mile and Cat C visibility 1 mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F). Baro-VNAV and VDP NA when using Valentine altimeter setting.

MISSED APPROACH: Climb to 4100 direct DAFHY and hold.

ASOS	HURON RADIO	UNICOM
126.775	122.1R	122.8 (CTAF)





CATEGORY	A	B	C	D
LPV DA	2271-1 250 (300-1)			NA
LNAV/VNAV DA	2581-2 560 (600-2)			NA
LNAV MDA	2440-1 419 (500-1)		2440-1¼ 419 (500-1¼)	NA
CIRCLING	2580-1 547 (600-1)		2680-1¾ 647 (700-1¾)	NA

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

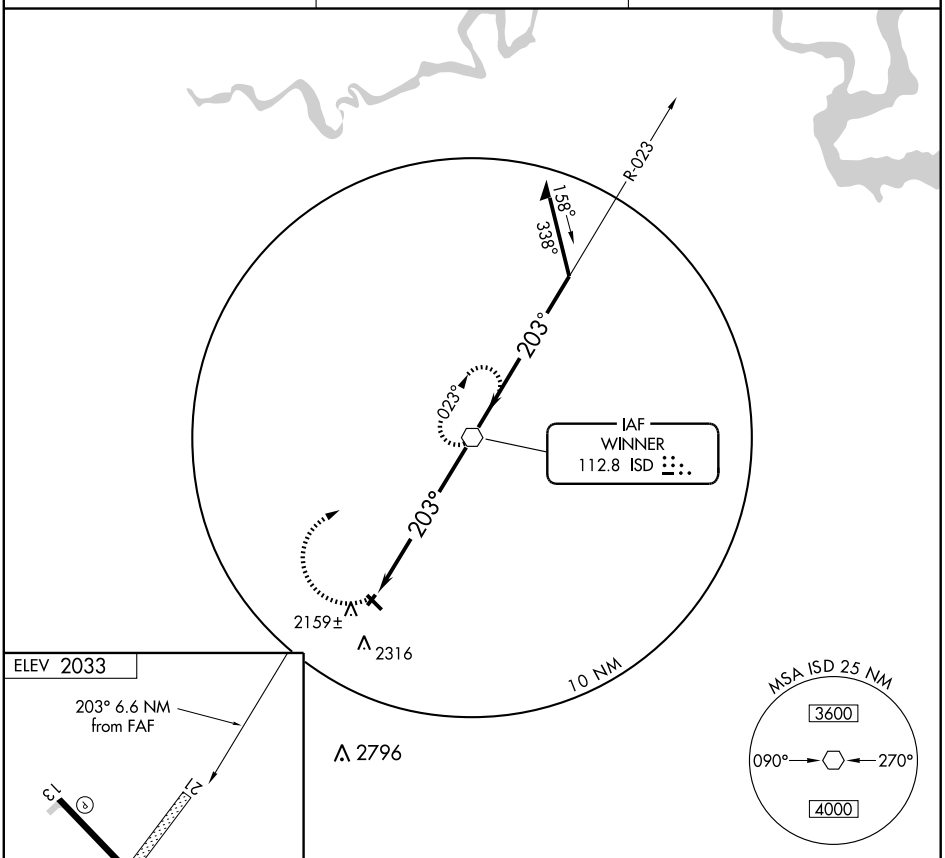
VOR ISD	APP CRS	Rwy ldg	N/A
112.8	203°	TDZE	N/A
		Apt Elev	2033

VOR-A
WINNER RGNL (ICR)

When local altimeter setting not received, use Valentine, NE altimeter setting and increase all MDA 240 feet and visibility Cat B ¼ mile, Cats C and D 1 mile.

MISSED APPROACH: Climbing right turn to 4100 direct ISD VOR and hold.

ASOS	HURON RADIO	UNICOM
126.775	122.1R	122.8 (CTAF) L



FAF to MAP 6.6 NM					
Knots	60	90	120	150	180
Min:Sec	6:36	4:24	3:18	2:38	2:12

CATEGORY	A	B	C	D
CIRCLING	2580-1 547 (600-1)		2680-1¾ 647 (700-1¾)	2680-2 647 (700-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

WHITE RIVER MUNI (7Q7) 1 S UTC−7(−6DT) N43°33.70′ W100°44.51′ **TWIN CITIES**

2151 B NOTAM FILE HON

RWY 12–30: 3000X150 (TURF) LIRL

RWY 12: Pole.

AIRPORT REMARKS: Unattended. Wildlife on and invof arpt. Telephone avbl. ACTIVATE LIRL Rwy 12–30—CTAF.

COMMUNICATIONS: CTAF 122.8

WILDER (See DESMET)

WINNER RGNL (ICR) 1 NE UTC−6(−5DT) N43°23.42′ W99°50.53′ **OMAHA**

2033 B S4 **FUEL** 100LL, JET A NOTAM FILE ICR **L–12H**

RWY 13–31: H4500X75 (CONC) S–12.5 MIRL **IAP**

RWY 13: PAPI(P2L)—GA 3.0° TCH 38′.

RWY 31: PAPI(P2L)—GA 3.0° TCH 35′.

RWY 03–21: 2881X150 (TURF)

RWY 21: Fence.

AIRPORT REMARKS: Attended continuously.

Deer on and invof arpt. Rwy 03–21 CLOSED winter months. High air tfc Oct–Nov. MIRL Rwy 13–31 opr dusk–0600Z‡ after 0600Z‡ ACTIVATE—CTAF.

WEATHER DATA SOURCES: ASOS 126.775 (605) 842–3989.

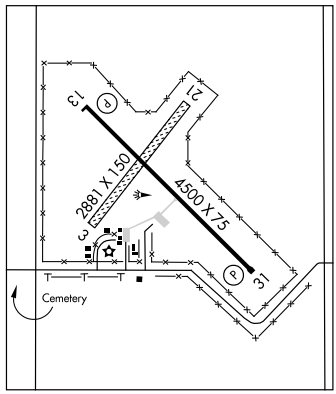
COMMUNICATIONS: CTAF/UNICOM 122.8

WINNER RCO 122.1R 112.8T (HURON RADIO)

RADIO AIDS TO NAVIGATION: NOTAM FILE PIR.

PIERRE (L) VORTACW 112.5 PIR Chan 72 N44°23.67′ W100°09.77′ 156° 61.8 NM to fld. 1789/11E. **HIWAS.**

(L) VOR 112.8 ISD N43°29.28′ W99°45.68′ 203° 6.8 NM to fld. NOTAM FILE ICR.



YANKTON N42°55.10′ W97°23.10′ NOTAM FILE YKN. **OMAHA**

(L) VORW/DME 111.4 YKN Chan 51 at Chan Gurney Muni. 1301/7E. **L–12H**

VOR unusable byd 30 NM blo 3200′.

DME unusable 230°–270° byd 25 NM blo 4000′, 271°–310° byd 30 NM blo 4000′, 311°–060° byd 30 NM blo 3500′.

RCO 122.55 (HURON RADIO)

YANKTON

CHAN GURNEY MUNI (YKN) 3 N UTC−6(−5DT) N42°55.00′ W97°23.16′ **OMAHA**

1306 B S4 **FUEL** 100LL, JET A NOTAM FILE YKN **H–5C, L–12H**

RWY 13–31: H6095X100 (CONC) S–30, D–50, 2D–90 HIRL 0.6% up NW **IAP**

RWY 13: REIL. VASI(V4L)—GA 3.0° TCH 40′. Trees.

RWY 31: MALSR. VASI(V4L)—GA 3.0° TCH 40′.

RWY 01–19: H3380X75 (ASPH) S–12.5 MIRL

RWY 01: PAPI(P2L)—GA 3.0° TCH 25′. P–line.

RWY 19: PAPI(P2L)—GA 3.0° TCH 25′. Fence.

AIRPORT REMARKS: Attended 1400–0000Z‡. For svc after 0000Z‡ call 605–665–3473. PAEW mowing seasonal. Migratory waterfowl on and invof arpt. HIRL Rwy 13–31 preset medium ints SS–SR, MIRL Rwy 01–19 preset low ints SS–2300 to increase ints and ACTIVATE MALSR Rwy 31, PAPI Rwy 01 and Rwy 19 and Twy lgts—CTAF.

WEATHER DATA SOURCES: AWOS–3 111.4 YKN (605) 665–6072.

COMMUNICATIONS: CTAF/UNICOM 122.8

YANKTON RCO 122.55 (HURON RADIO)

MINNEAPOLIS CENTER APP/DEP CON 124.1

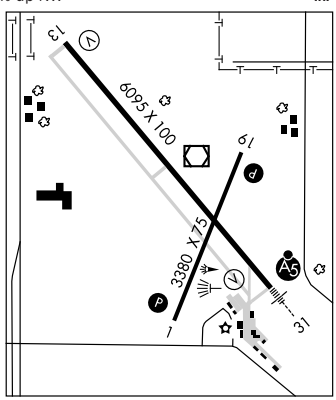
AIRSPACE: CLASS E svc continuous.

RADIO AIDS TO NAVIGATION: NOTAM FILE YKN.

YANKTON (L) VORW/DME 111.4 YKN Chan 51 N42°55.10′ W97°23.10′ at fld. 1301/7E. **AWOS–3.**

CAGUR NDB (LOM) 347 YK N42°50.62′ W97°18.13′ 313° 5.7 NM to fld. Unmonitored.

ILS 109.5 I–YKN Rwy 31. Class IE. LOM CAGUR NDB. ILS unmonitored.



LOC I-YKN	APP CRS	Rwy ldg	6095
109.5	313°	TDZE	1284
		Apt Elev	1305

ILS RWY 31

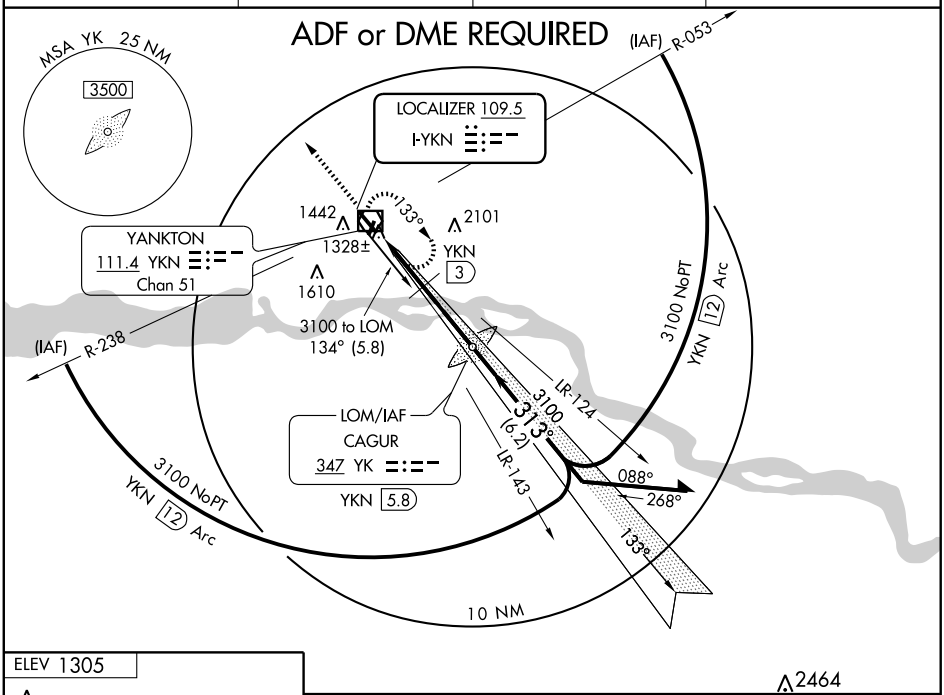
YANKTON/CHAN GURNEY MUNI (YKN)

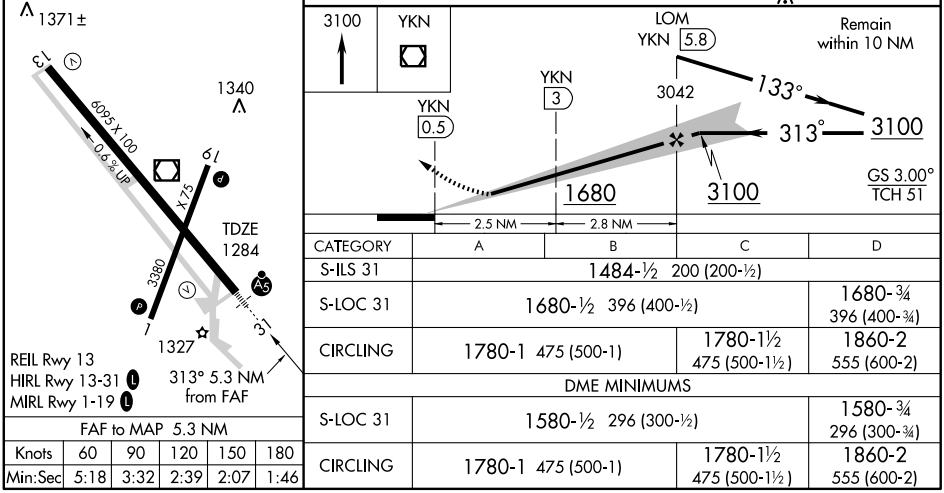
NA — DME minimums: for inoperative MALSR, increase S-LOC-31 Cat D visibility to 1 mile.

MALSR

MISSED APPROACH: Climb to 3100 then direct YKN VOR/DME and hold.

AWOS-3	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
111.4	124.1 269.0	122.55	122.8 (CTAF) L





FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

CATEGORY	A	B	C	D
S-ILS 31	1484-½ 200 (200-½)			
S-LOC 31	1680-½ 396 (400-½)			1680-¾ 396 (400-¾)
CIRCLING	1780-1 475 (500-1)		1780-1½ 475 (500-1½)	1860-2 555 (600-2)
DME MINIMUMS				
S-LOC 31	1580-½ 296 (300-½)			1580-¾ 296 (300-¾)
CIRCLING	1780-1 475 (500-1)		1780-1½ 475 (500-1½)	1860-2 555 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010

LOM YK	APP CRS	Rwy ldg	6095
347	313°	TDZE	1284
		Apt Elev	1305

NDB or GPS RWY 31

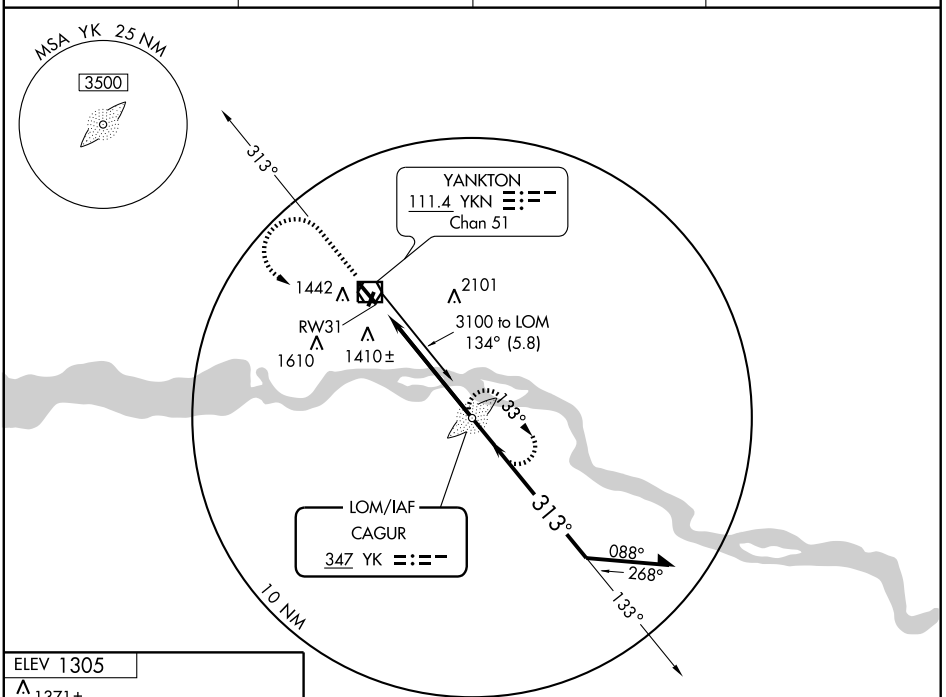
YANKTON/CHAN GURNEY MUNI (YKN)

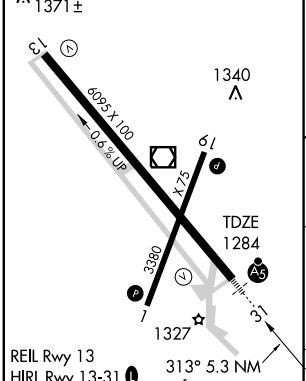
T A NA If local altimeter setting not received, use Sioux Falls altimeter setting and increase all MDAs 220 feet.

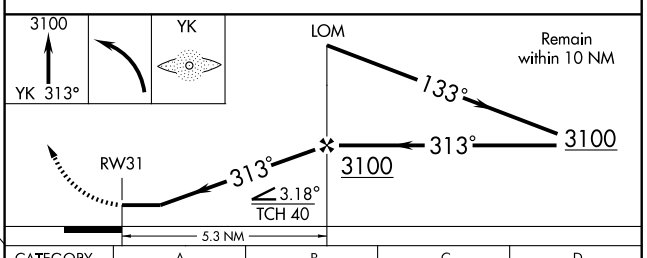
MALSR A5

MISSED APPROACH: Climb to 3100 via YK LOM bearing 313° then left turn direct YK LOM and hold.

AWOS-3	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
111.4	124.1 269.0	122.55	122.8 (CTAF) L







FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

CATEGORY	A	B	C	D
S-31	1720-¾ 436 (500-¾)			1720-1¼ 436 (500-1¼)
CIRCLING	1780-1 475 (500-1)		1780-1½ 475 (500-1½)	1860-2 555 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

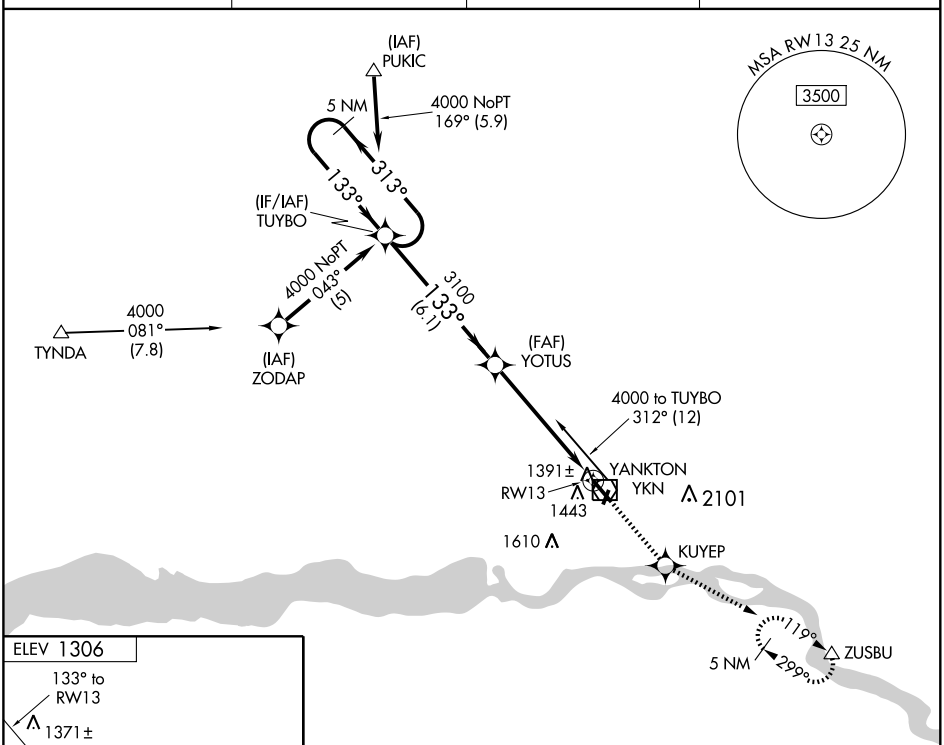
WAAS CH **50400** **W13A**	APP CRS **133°**	Rwy ldg **6095** TDZE **1306** Apt Elev **1306**

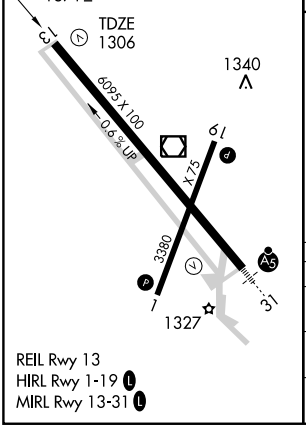
RNAV (GPS) RWY 13
YANKTON/ CHAN GURNEY MUNI (YKN)

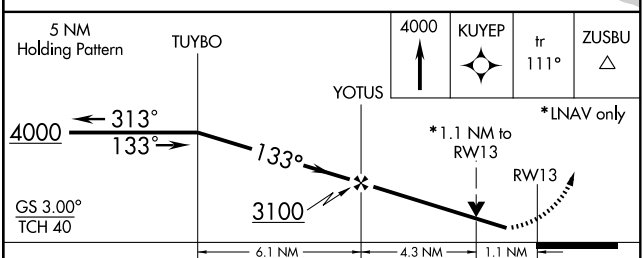
If local altimeter setting not received, use Sioux Falls altimeter setting and increase all DAs/MDAs 140 feet.
DME/DME RNP -0.3 NA.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 4000 direct KUYEP and via 111° track to ZUSBU and hold, continue climb-in-hold to 4000.

AWOS-3	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
111.4	**124.1 269.0**	**122.55**	**122.8** (CTAF) L







CATEGORY	A	B	C	D
LPV DA	1556-1 250 (300-1)			
LNAV MDA	1700-1 394 (400-1)			1700-1¼ 394 (400-1¼)
CIRCLING	1780-1 474 (500-1)		1780-1½ 474 (500-1½)	1860-2 554 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

VOR/DME YKN 111.4 Chan 51	APP CRS 132°	Rwy ldg 6095 TDZE 1306 Apt Elev 1306

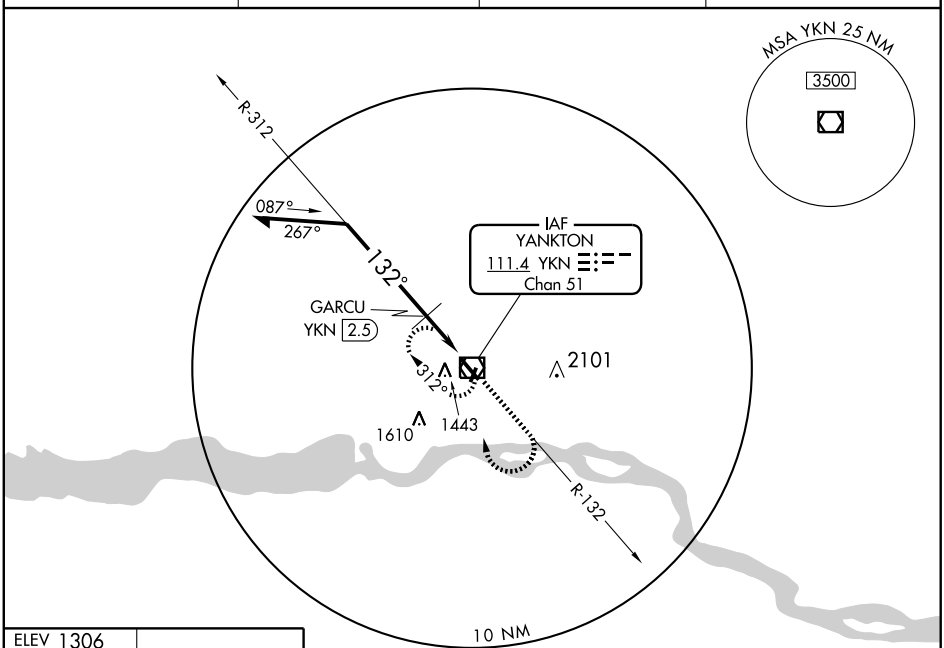
VOR RWY 13

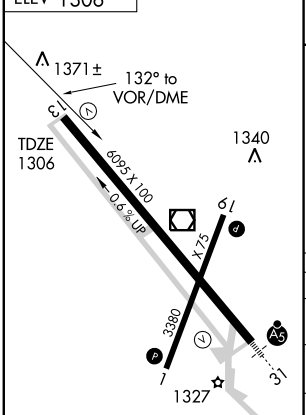
YANKTON/CHAN GURNEY MUNI (YKN)

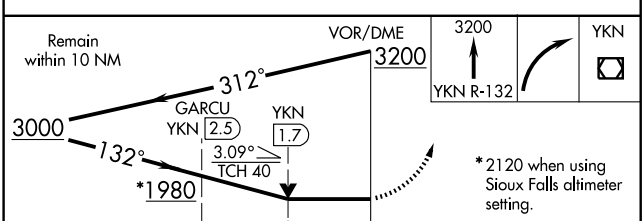
If local altimeter setting not received, use Sioux Falls altimeter setting and increase all MDAs 140 feet. VDP NA when using Sioux Falls altimeter setting. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3200 via YKN VOR/DME R-132 then right turn direct YKN VOR/DME and hold.

AWOS-3	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
111.4	124.1 269.0	122.55	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-13	1980-1 674 (700-1)		1980-2 674 (700-2)	1980-2¼ 674 (700-2¼)
CIRCLING	1980-1 674 (700-1)		1980-2 674 (700-2)	1980-2¼ 674 (700-2¼)
GARCU FIX MINIMUMS				
S-13	1700-1 394 (400-1)			1700-1¼ 394 (400-1¼)
CIRCLING	1780-1 474 (500-1)		1780-1½ 474 (500-1½)	1860-2 554 (600-2)

NC-1, 21 OCT 2010 to 18 NOV 2010
NC-1, 21 OCT 2010 to 18 NOV 2010

VOR/DME YKN 111.4 Chan 51	APP CRS 318°	Rwy ldg 6095 TDZE 1284 Apt Elev 1305

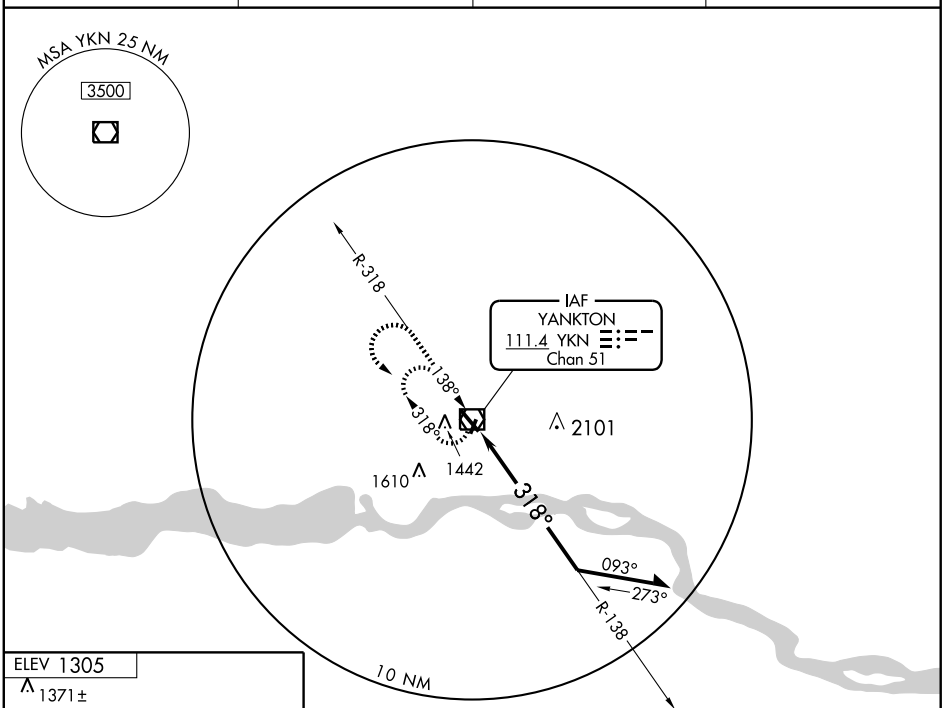
VOR RWY 31

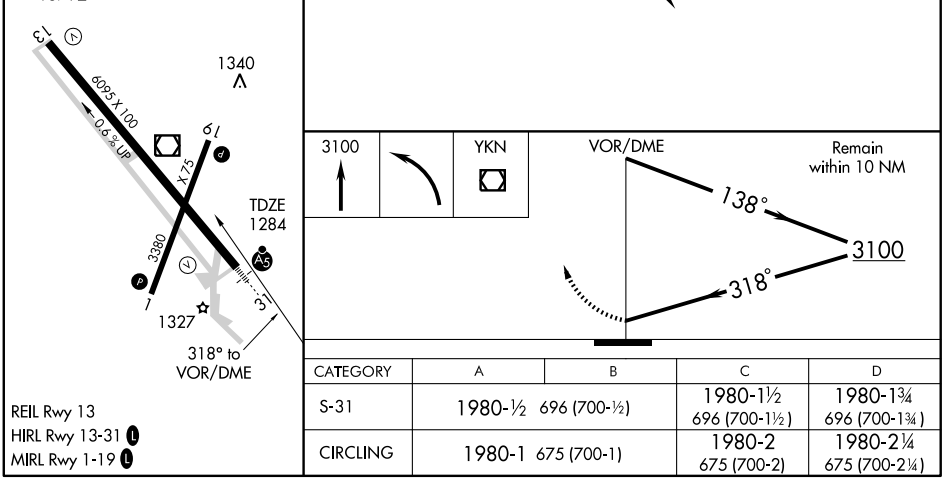
YANKTON/CHAN GURNEY MUNI (YKN)

MALSR

MISSED APPROACH: Climb to 3100, then left turn direct YKN VOR/DME and hold.

AWOS-3	MINNEAPOLIS CENTER	HURON RADIO	UNICOM
111.4	124.1 269.0	122.55	122.8 (CTAF) L





CATEGORY	A	B	C	D
S-31	1980-½ 696 (700-½)		1980-1½ 696 (700-1½)	1980-1¾ 696 (700-1¾)
CIRCLING	1980-1 675 (700-1)		1980-2 675 (700-2)	1980-2¼ 675 (700-2¼)

NC-1, 21 OCT 2010 to 18 NOV 2010

NC-1, 21 OCT 2010 to 18 NOV 2010